

1. Overview

Report Production Date:	13-Jul-2023
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

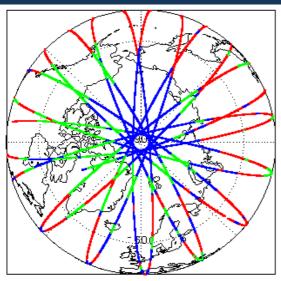
We would love to hear from you!

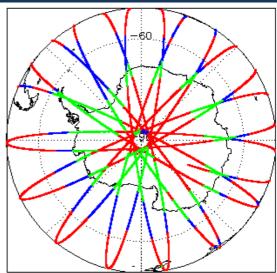
Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com

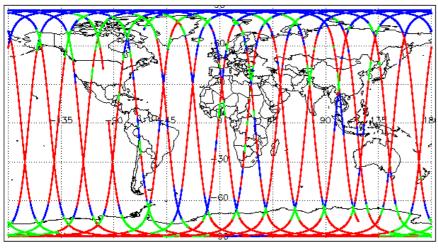
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

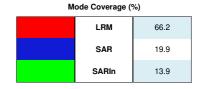
Mission / Instru	ment News
13-Jun-2023	None
14-Jun-2023	None
15-Jun-2023	Nothing planned

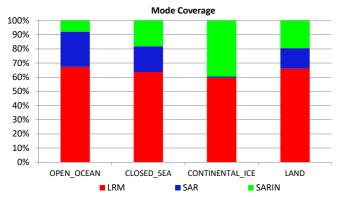
2. Global Coverage

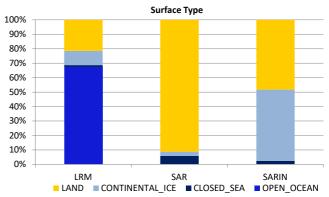












3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors:

0

4.3 Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing.

Number of products with errors:

0

4.4 L1B Tracking Flags Check

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

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

lumber of products with errors: 10

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20230614T002654_20230614T002800_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T003022_20230614T003041_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T003109_20230614T003650_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T003653_20230614T004107_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T005633_20230614T010344_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T010507_20230614T012831_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T013146_20230614T014012_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T014346_20230614T020833_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T021200_20230614T021634_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T023340_20230614T023728_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T023939_20230614T024028_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T024030_20230614T024059_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T024101_20230614T024102_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T024104_20230614T024124_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T024127_20230614T024129_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T024131_20230614T030721_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T032239_20230614T034729_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T034731_20230614T034901_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T034903_20230614T034904_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T034906_20230614T035122_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T035208_20230614T035336_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T035409_20230614T035422_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T035422_20230614T035747_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T051127_20230614T051548_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T052049_20230614T052708_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T052954_20230614T052958_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T053000_20230614T053027_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T053045_20230614T053219_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T053219_20230614T053357_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T053653_20230614T053705_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T070221_20230614T070745_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T070858_20230614T070927_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T070937_20230614T070957_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T071008_20230614T071111_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T072952_20230614T080415_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T081223_20230614T081637_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T090733_20230614T091305_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T091346_20230614T092821_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T092823_20230614T092827_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T092834_20230614T093709_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T095135_20230614T095344_E001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20230614T100229_20230614T101326_E001 Loss of	f echo The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230614T101331 20230614T101452 E001 Loss of	of echo The tracking echo is missing for one or more records
	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T105624_20230614T110554_E001	, ,
	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T114433_20230614T114717_E001 Loss of	Ţ Ţ
	f echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T114743_20230614T114820_E001 Loss of	
	f echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T115621_20230614T120009_E001	g g
	f echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T120015_20230614T120019_E001 Loss of	
	fecho The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T120605_20230614T120919_E001 Loss of	f echo The tracking echo is missing for one or more records
	f echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T123059_20230614T123243_E001 Loss of	f echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T123246_20230614T123544_E001 Loss of	f echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T123547_20230614T123554_E001 Loss of	f echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T123755_20230614T123858_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T131007_20230614T131132_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T134604_20230614T135040_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T140504_20230614T140754_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T140810_20230614T141154_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T141550_20230614T144058_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T152427_20230614T152715_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T154522_20230614T155057_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T155110_20230614T155316_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T155319_20230614T155320_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T155323_20230614T155513_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T155515_20230614T155516_E001 Loss of	of echo The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230614T155518 20230614T160010 E001 Loss of	of echo The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230614T160013 20230614T162025 E001 Loss of	
CS_OFFL_SIR_LRM_1B_20230614T162806_20230614T163137_E001	
	of echo The tracking echo is missing for one or more records
	of echo The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230614T173413 20230614T173530 E001 Loss of	
	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T174244_20230614T174710_E001	
	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T180307_20230614T180829_E001	
	f echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T191201_20230614T191720_E001 Loss of	
	f echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T195435_20230614T195947_E001 Loss of	
	f echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T213410_20230614T213940_E001 Loss of	
	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T214132_20230614T214922_E001 Loss of	f echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T214924_20230614T220302_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T220357_20230614T220956_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T224154_20230614T225655_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T230333_20230614T230550_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T231320_20230614T232729_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T232908_20230614T233025_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T233029_20230614T233040_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T233042_20230614T233103_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T233106_20230614T234359_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T234401_20230614T234459_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T234541_20230614T234955_E001 Loss of	of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230614T235034_20230614T235057_E001 Loss of	of echo The tracking echo is missing for one or more records
4.5.1.1.D. Calibration Hagge Charle	

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:

Product	Test Failed	Description
CS_OFFL_SIR_SAR_1B_20230614T185953_20230614T185955_E001	Dry tropospheric Correction Error, Wet tropospheric Correction Error, Inverse barometric Correction Error, Dynamic atmosphere Correction Error, Ocean equilibrium tide, Ocean long period tide, Ocean loading tide, Solid Earth tide, Geocentr. polar tide, Surface type flag	The auxiliary corrections are missing for one or more record; under investigation.

4.8 L1B Measurement Confidence Data Check

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

Currently, there are several common error flags raised in the Level 1B products which are expected due to operational mode or surface type. All common flags are summarised in the list below, followed by a table of any additional issues arising from this test.

Block Degraded Flag: This flag is currently set for a number of individual records generally at the start or end of products (all modes), but this is to be expected.

Phase Perturbation Applied Flag: This flag is currently set for all L1B SARIn products, indicating that the ADC correction application is deactivated, but this is in line with the current configuration.

Number of products with errors:

5

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20230614T024030_20230614T024059_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
CS_OFFL_SIR_LRM_1B_20230614T070937_20230614T070957_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
CS_OFFL_SIR_LRM_1B_20230614T134604_20230614T135040_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
CS_OFFL_SIR_LRM_1B_20230614T190752_20230614T191003_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
CS_OFFL_SIR_LRM_1B_20230614T233106_20230614T234359_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:

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:

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: 11

Product	Test Failed	Description
CS_OFFL_SIR_SAR_220230614T000259_20230614T000359_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_220230614T001804_20230614T002428_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_220230614T002428_20230614T002653_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_220230614T004937_20230614T005000_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_220230614T005142_20230614T005510_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_220230614T012832_20230614T012954_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_220230614T014216_20230614T014346_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_2_20230614T021634_20230614T021756_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_2_20230614T030722_20230614T030933_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_220230614T032108_20230614T032239_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_2_20230614T035123_20230614T035208_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
	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_220230614T035747_20230614T035833_E001	·	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_220230614T035923_20230614T040040_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230614T044559_20230614T044927_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_2_20230614T050009_20230614T050143_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_220230614T050636_20230614T051127_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_220230614T051548_20230614T051820_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 2 20230614T051824 20230614T051922 E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230614T052708_20230614T052749_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_220230614T053358_20230614T053502_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_220230614T053521_20230614T053653_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230614T053913_20230614T053935_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_2_20230614T054949_20230614T055028_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_220230614T062534_20230614T062859_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_220230614T063853_20230614T064117_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 2 20230614T070745 20230614T070858 E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20230614T071111 20230614T071224 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_220230614T071224_20230614T071707_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_220230614T071742_20230614T071845_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230614T072046_20230614T072951_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_220230614T080415_20230614T080614_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_220230614T081217_20230614T081223_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_220230614T081744_20230614T082118_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_220230614T084606_20230614T084722_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_220230614T085506_20230614T085535_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_220230614T091305_20230614T091345_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_2_20230614T093710_20230614T093844_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20230614T094339 20230614T094422 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_220230614T095117_20230614T095122_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 20230614T095129 20230614T095135 E001	·	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
	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_220230614T095527_20230614T095727_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230614T095727_20230614T100229_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_2_20230614T101453_20230614T101643_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_220230614T102522_20230614T102649_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_220230614T110554_20230614T110756_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_220230614T111512_20230614T111627_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_220230614T112235_20230614T112337_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_2_20230614T113017_20230614T113021_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20230614T113029 20230614T113035 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_2_20230614T113824_20230614T113856_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_220230614T114133_20230614T114433_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_220230614T115119_20230614T115424_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230614T115439_20230614T115621_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_220230614T120436_20230614T120605_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_220230614T121042_20230614T121304_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_220230614T121337_20230614T121413_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_220230614T123036_20230614T123058_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_220230614T123858_20230614T124116_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
	1	falls outside of the extent of the current snow depth model

CS_OFFL_SIR_SAR_220230614T124118_20230614T124620_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_220230614T130128_20230614T130253_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_220230614T131452_20230614T131649_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_220230614T141156_20230614T141204_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_220230614T144058_20230614T144227_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_220230614T145347_20230614T145600_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_2_20230614T152231_20230614T152426_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20230614T154257 20230614T154522 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_220230614T155057_20230614T155109_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 20230614T162025 20230614T162156 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 20230614T163256 20230614T163559 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_20230614T172126_20230614T172228_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 20230614T172443 20230614T172624 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_2_20230614T173046_20230614T173135_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_20230614T173322_20230614T173412_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_220230614T175213_20230614T175351_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_220230614T175615_20230614T175814_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230614T175923_20230614T180140_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230614T181140_20230614T181518_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_220230614T185823_20230614T185950_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_220230614T185953_20230614T185955_E001	Dry tropospheric corr, Wet tropospheric corr, Inverse barometric corr, Dynamic atm corr, Model Ionospheric corr, Solid Earth tide, Geocentr. polar tide, Snow depth model	The auxiliary corrections are missing for one or more record; under investigation.
CS_OFFL_SIR_SAR_220230614T190036_20230614T190045_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_220230614T190602_20230614T190752_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_220230614T191003_20230614T191150_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_220230614T191153_20230614T191200_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_2_20230614T192530_20230614T192718_E001		T : ::::::::::::::::::::::::::::::::::
00_011 E_0111_07111_EE02000141102000_E0200014110E710_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_2_20230614T193747_20230614T194122_E001	Snow depth model 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_2_20230614T193747_20230614T194122_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 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_20230614T193747_20230614T194122_E001 CS_OFFL_SIR_SAR_2_20230614T195057_20230614T195435_E001	Snow depth model 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 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_2_20230614T193747_20230614T194122_E001 CS_OFFL_SIR_SAR_2_20230614T195057_20230614T195435_E001 CS_OFFL_SIR_SAR_2_20230614T204017_20230614T204150_E001	Snow depth model Snow depth model 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 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 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
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CS_OFFL_SIR_SIN_2_20230614T180830_20230614T181139_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230614T194729_20230614T195057_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20230614T212207_20230614T212443_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230614T212636_20230614T212957_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20230614T225731_20230614T230333_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records

5.5 L2 Measurement Quality Flag Check

CryoSat L2 data includes a quality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Currently, there are several common error flags raised in the Level 2 products which are expected due to operational mode or surface type. All common flags are summarised in the list below, followed by a table of any additional issues arising from this test.

Height and Backscatter errors: These flags are currently set for products over land, but this is to be expected. Retracker 1 Height and Backscatter error flags are also set for products over sea-ice, but this is to be expected.

SSHA interpolation error: This flag is currently set for a number of SAR products occurring at surface type boundaries, but this is to be expected.

Freeboard error: This flag is correctly set in all L2 SAR products that are not discriminated as sea-ice, and for which freeboard cannot be calculated.

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

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.

Description

Test Failed

Number of products with errors:

Product

Ineliabeter 2). Backscatter from for Retracker 3 for one or more records the retracker 2 for one or more records from fetracker 2 for one or more records fetracker 2 for fetracker 2 for one or more records fetracker 2 for fetracker 3 for one or more records fetracker 2 for fetracker 3 for one or more records fetracker 2 for fetracker 3 for one or more records fetracker 2 for fetracker 3 for one or more records fetracker 2 for fetracker 3 for one or more records fetracker 2 for fetracker 3 for one or more records fetracker 2 for fetracker 3 for one or more records fetracker 2 for fetracker 3 for one or more records fetracker 2 for fetracker 3 for one or more records fetracker 2 for fetracker 3 for one or more records fetracker 2 for fetracker 2 for one or more records fetracker 2 for one or more records for fetracker 3 for one or more records fetracker 2 for fetracker 2 for one or more records for fetracker 2 for	Product	Test Failed	Description
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Error (Retracher 2) SOFFL SIR LRM 2 20230814701436 20230814702835 E001 Fight Error (Retracher 2), Backscatter revolution from the set in height and backscatter error for Retracher 2 for one or more records. SOFFL SIR LRM 2 202308147024731 20230814703732 E001 SOFFL SIR LRM 2 202308147024731 20230814703732 E001 SOFFL SIR LRM 2 202308147034732 E001 SOFFL SIR LRM 2 20230814703473 E001 SOFFL SIR LRM 2 20230814703474 E001 SOFFL SIR LRM 2 20230814703473 E0030814707174 E001 SOFFL SIR LRM 2 20230814707348 E0030814707174 E001 SOFFL SIR LRM 2 20230814707373 20230814707174 E001 SOFFL SIR LRM 2 20230814707373 20230814708470 E001 SOFFL SIR LRM 2 20230814707373 20230814707185 E001 SOFFL SIR LRM 2 20230814707373 2023081470840 E001 SOFFL SIR LRM 2 20230814708473 E001 SOFFL SIR LRM 2 20230814708733 2023081470840 E001 SOFFL SIR LRM 2 20230814708733 2023081470840 E001 SOFFL SIR LRM 2 20230814708733 2023081470840 E001 SOFFL SIR LRM 2 20230814708733 2023081470810 E001 SOFFL	CS_OFFL_SIR_LRM_220230614T005633_20230614T010344_E001		
Error (Retracker 2) S. OFFL_SIR_LEM_2_202306147094795_20230614709479_E001 S. OFFL_SIR_LEM_2_202306147094795_20230614709579_E001 S. OFFL_SIR_LEM_2_20230614709579_20230614709579_E001 S. OFFL_SIR_LEM_2_20230614709579_20230614709579_E001 S. OFFL_SIR_LEM_2_20230614709579_20230614709579_E001 S. OFFL_SIR_LEM_2_20230614709579_20230614709579_E001 S. OFFL_SIR_LEM_2_20230614709579_E001 S. OFFL_SIR_LEM_2_20230614709579_E00230614709599_E001 S. OFFL_SIR_LEM_2_20230614709579_E00230614709599_E001 S. OFFL_SIR_LEM_2_20230614709599_E001 S. OFFL_SIR_LEM_2_20230614709799_E00230614709599_E001 S. OFFL_SIR_LEM_2_20230614709799_E00230614709599_E001 S. OFFL_SIR_LEM_2_20230614709799_E00230614709699_E001 S. OFFL_SIR_LEM_2_20230614709799_E00230614709699_E001 S. OFFL_SIR_LEM_2_20230614709799_E00230614709699_E001 S. OFFL_SIR_LEM_2_20230614709699_E001 S. OFFL_SIR_LEM_2_202306147	CS_OFFL_SIR_LRM_220230614T010507_20230614T012831_E001		
Enror (Retracher 2) Height Error (Retracher 2) H	CS_OFFL_SIR_LRM_220230614T014346_20230614T020833_E001		
GS OFFL SIR LRM 2_20230614T032239_20230614T034729_E001 Filedracker 2] Height Error (Retracker 2) Heig	CS_OFFL_SIR_LRM_220230614T021756_20230614T021807_E001		*
CS_OFFL_SIR_LRM_2_20230614T035422_20230614T03547_E001 CS_OFFL_SIR_LRM_2_20230614T035422_20230614T035747_E001 CS_OFFL_SIR_LRM_2_20230614T052049_20230614T052708_E001 CS_OFFL_SIR_LRM_2_20230614T052049_20230614T052708_E001 CS_OFFL_SIR_LRM_2_20230614T052049_20230614T052708_E001 CS_OFFL_SIR_LRM_2_20230614T052049_20230614T052708_E001 CS_OFFL_SIR_LRM_2_20230614T052049_20230614T052708_E001 CS_OFFL_SIR_LRM_2_20230614T052049_20230614T062534_E001 CS_OFFL_SIR_LRM_2_20230614T052049_20230614T062534_E001 CS_OFFL_SIR_LRM_2_20230614T052049_20230614T062534_E001 CS_OFFL_SIR_LRM_2_20230614T062117_202230614T062534_E001 CS_OFFL_SIR_LRM_2_20230614T064117_202230614T062534_E001 CS_OFFL_SIR_LRM_2_20230614T070221_20230614T070745_E001 CS_OFFL_SIR_LRM_2_20230614T0700221_20230614T070745_E001 CS_OFFL_SIR_LRM_2_20230614T071008_20230614T071742_E001 CS_OFFL_SIR_LRM_2_20230614T071008_20230614T071742_E001 CS_OFFL_SIR_LRM_2_20230614T07107_20230614T071742_E001 CS_OFFL_SIR_LRM_2_20230614T071707_20230614T084045_E001 CS_OFFL_SIR_LRM_2_20230614T071707_20230614T084045_E001 CS_OFFL_SIR_LRM_2_20230614T071707_20230614T084045_E001 CS_OFFL_SIR_LRM_2_20230614T084722_20230614T084066_E001 CS_OFFL_SIR_LRM_2_20230614T084724_20230614T084066_E001 CS_OFFL_SIR_LRM_2_20230614T084724_20230614T08406_E001 CS_OFFL_SIR_LRM_2_20230614T084724_20230614T084066_E001 CS_OFFL_SIR_LRM_2_20230614T084724_20230614T084066_E001 CS_OFFL_SIR_LRM_2_20230614T084724_20230614T084066_E001 CS_OFFL_SIR_LRM_2_20230614T084724_20230614T085406_E001 CS_OFFL_SIR_LRM_2_20230614T086447_20230614T086406_E001 CS_OFFL_SIR_LRM_2_20230614T086447_20230614T086406_E001 CS_OFFL_SIR_LRM_2_20230614T086447_20230614T086406_E001 CS_OFFL_SIR_LRM_2_20230614T086447_20230614T086406_E001 CS_OFFL_SIR_LRM_2_20230614T086447_20230614T086406_E001 CS_OFFL_SIR_LRM_2_20230614T086447_20230614T086406_E001 CS_OFFL_SIR_LRM_2_20230614T086447_20230614T086406_E001 CS_OFFL_SIR_LRM_2_20230614T086447_20230614T086506_E001 CS_OFFL_SIR_LRM_2_20230614T086447_20230614T086506_E001 CS_OFFL_SIR_LRM_2_20230614T086	CS_OFFL_SIR_LRM_220230614T024131_20230614T030721_E001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
GS_OFFL_SIR_LRM_2_20230614T035422_20230614T04459_E001 GRattacker 2) Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Erro	CS_OFFL_SIR_LRM_220230614T032239_20230614T034729_E001		
GS_OFFL_SIR_LRM_2_20230614T052049_20230614T052708_E001 GRetracker 2) GRetracker 2) Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) GS_OFFL_SIR_LRM_2_20230614T052049_20230614T062534_E001 GS_OFFL_SIR_LRM_2_20230614T052016_20230614T062534_E001 GS_OFFL_SIR_LRM_2_20230614T052012_20230614T062534_E001 GS_OFFL_SIR_LRM_2_20230614T070221_20230614T070745_E001 GS_OFFL_SIR_LRM_2_20230614T071008_20230614T077145_E001 GS_OFFL_SIR_LRM_2_20230614T07107_20230614T071742_E001 GS_OFFL_SIR_LRM_2_20230614T071707_20230614T071742_E001 GS_OFFL_SIR_LRM_2_20230614T071707_20230614T071742_E001 GS_OFFL_SIR_LRM_2_20230614T071707_20230614T071742_E001 GS_OFFL_SIR_LRM_2_20230614T071707_20230614T070745_E001 GS_OFFL_SIR_LRM_2_20230614T071707_20230614T070745_E001 GS_OFFL_SIR_LRM_2_20230614T071707_20230614T070745_E001 GS_OFFL_SIR_LRM_2_20230614T070745_E001 GS_OFFL_SIR_LRM_2_20230614T070745_E001 GS_OFFL_SIR_LRM_2_20230614T070745_E001 GS_OFFL_SIR_LRM_2_20230614T07077_20230614T070745_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2) and a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more	CS_OFFL_SIR_LRM_220230614T035422_20230614T035747_E001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
GS_OFFL_SIR_LRM_2_20230614T052049_20230614T062534_E001 GRetracker 2). Backscatter Error (Retracker	CS_OFFL_SIR_LRM_2_20230614T041421_20230614T044559_E001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
Error (Retracker 2) Error (Retracker 2) Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (R	CS_OFFL_SIR_LRM_2_20230614T052049_20230614T052708_E001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
Error (Retracker 2) GS_OFFL_SIR_LRM_2_20230614T070221_20230614T070745_E001 Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3) and Backscatter Error (Retracker 3) and Backscatter Error (Retracker 3) Error (Retracker 2), Backscatter Error (Retracker 3) and Backscatter Error (Retracker 3) and Backscatter Error (Retracker 3) Error (Retracker 2), Backscatter Error (Retracker 3) Error (Retracker 2), Backscatter Error (Retracker 3) Error (Retracker 2) Error (Retrack	CS_OFFL_SIR_LRM_220230614T055216_20230614T062534_E001		
CS_OFFL_SIR_LRM_2_20230614T071008_20230614T071111_E001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracke	CS_OFFL_SIR_LRM_220230614T064117_20230614T065901_E001		
Error (Retracker 2) Error (Retracker 2) Error (Retracker 2) Error (Retracker 2) Height Error (Retracker 2) Height Error (Retracker 2) Height Error (Retracker 2) Error (Retracker 2) Height Error (Retracker 2) There is a height and backscatter error for Retracker 2 and a height error (Retracker 2) There is a height and backscatter error for Retracker 2 and a height error (Retracker 3) There is a height and backscatter error for Retracker 2 and a height error (Retracker 3) There is a height and backscatter error for Retracker 2 and a height error (Retracker 2) Error (Retracker 2) Error (Retracker 2) Backscatter Error (Retracker 3) Backscatter Error (Retracker 3) Height Error (Retracker 2) Height Error (Ret	CS_OFFL_SIR_LRM_220230614T070221_20230614T070745_E001		
Error (Retracker 2) Error (Re	CS_OFFL_SIR_LRM_220230614T071008_20230614T071111_E001		
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20230614T082118_20230614T084606_E001 CS_OFFL_SIR_LRM_2_20230614T082118_20230614T085447_E001 CS_OFFL_SIR_LRM_2_20230614T085447_20230614T085506_E001 CS_OFFL_SIR_LRM_2_20230614T085447_20230614T085506_E001 CS_OFFL_SIR_LRM_2_20230614T09733_20230614T091305_E001 CS_OFFL_SIR_LRM_2_20230614T091346_20230614T092821_E001 CS_OFFL_SIR_LRM_2_20230614T092834_20230614T093709_E001 CS_OFFL_SIR_LRM_2_20230614T092834_20230614T09339_E001 CS_OFFL_SIR_LRM_2_20230614T093844_20230614T09339_E001 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 3), Backscatter Error (Retracker 3), 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 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	CS_OFFL_SIR_LRM_220230614T071707_20230614T071742_E001		
CS_OFFL_SIR_LRM_2_20230614T082118_20230614T084606_E001 CS_OFFL_SIR_LRM_2_20230614T084723_20230614T085447_E001 CS_OFFL_SIR_LRM_2_20230614T085447_20230614T085506_E001 CS_OFFL_SIR_LRM_2_20230614T085447_20230614T085506_E001 CS_OFFL_SIR_LRM_2_20230614T09733_20230614T091305_E001 CS_OFFL_SIR_LRM_2_20230614T090733_20230614T091305_E001 CS_OFFL_SIR_LRM_2_20230614T091346_20230614T092821_E001 CS_OFFL_SIR_LRM_2_20230614T091346_20230614T092821_E001 CS_OFFL_SIR_LRM_2_20230614T092834_20230614T093709_E001 CS_OFFL_SIR_LRM_2_20230614T092834_20230614T093709_E001 CS_OFFL_SIR_LRM_2_20230614T093844_20230614T09339_E001 CS_OFFL_SIR_LRM_2_20230614T093844_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T093844_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T093844_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T093844_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T092834_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T092834_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T092834_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T092834_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T092834_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T092834_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T092834_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T092844_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T093844_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T092844_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T09444_20230614T0944399_E001 CS_OFFL_SIR_LRM_2_20230614T09444	CS_OFFL_SIR_LRM_220230614T072952_20230614T080415_E001		
Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Error (Retracker 2) Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Height Error (Retracker 3), Backscatter Error (Ret	CS_OFFL_SIR_LRM_220230614T082118_20230614T084606_E001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20230614T090733_20230614T091305_E001 Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3),	CS_OFFL_SIR_LRM_220230614T084723_20230614T085447_E001		
CS_OFFL_SIR_LRM_2_20230614T090733_20230614T091305_E001 CS_OFFL_SIR_LRM_2_20230614T091346_20230614T092821_E001 CS_OFFL_SIR_LRM_2_20230614T092834_20230614T093709_E001 CS_OFFL_SIR_LRM_2_20230614T093844_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T093844_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T093844_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T093844_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T093844_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T093844_20230614T094339_E001 CS_OFFL_SIR_LRM_2_20230614T109289_20230614T1094339_E001	CS_OFFL_SIR_LRM_220230614T085447_20230614T085506_E001	,,,	-
CS_OFFL_SIR_LRM_220230614T091346_20230614T092821_E001	CS_OFFL_SIR_LRM_220230614T090733_20230614T091305_E001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20230614T092834_20230614T093709_E001 (Retracker 3), Backscatter Error (Retracker 2) for Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20230614T093844_20230614T094339_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2) CS_OFFL_SIR_LRM_2_20230614T10929_20230614T101336_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_220230614T091346_20230614T092821_E001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20230614T10929_20230614T1094339_E001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more	CS_OFFL_SIR_LRM_220230614T092834_20230614T093709_E001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
	CS_OFFL_SIR_LRM_220230614T093844_20230614T094339_E001		
	CS_OFFL_SIR_LRM_220230614T100229_20230614T101326_E001		ŭ

CS_OFFL_SIR_LRM_2_20230614T101643_20230614T102522_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20230614T102649_20230614T103400_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_220230614T105624_20230614T110554_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_220230614T110756_20230614T111512_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_220230614T113856_20230614T114133_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20230614T115621_20230614T120009_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_220230614T120021_20230614T120435_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20230614T120605_20230614T120919_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20230614T123059_20230614T123243_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20230614T123246_20230614T123544_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230614T124620_20230614T130128_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20230614T141550_20230614T144058_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20230614T145600_20230614T152231_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20230614T152427_20230614T152715_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_2_20230614T155518_20230614T160010_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_220230614T160013_20230614T162025_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_2_20230614T163559_20230614T170927_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_2_20230614T172228_20230614T172443_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_2_20230614T174832_20230614T175213_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20230614T180307_20230614T180829_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20230614T181518_20230614T185011_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20230614T190045_20230614T190438_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20230614T190752_20230614T191003_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20230614T192041_20230614T192530_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_220230614T192718_20230614T193747_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_220230614T194237_20230614T194729_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230614T195435_20230614T195947_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_220230614T195956_20230614T203056_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_220230614T204151_20230614T204157_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_220230614T204644_20230614T205041_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20230614T205211_20230614T211508_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20230614T213410_20230614T213940_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_2_20230614T214132_20230614T214922_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20230614T214924_20230614T220302_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
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CS_OFF_SR_SAR_2_2020041709039_2020641700039_E811 Sections Emp Promotion 2, the control of the control of Promotion 2 of the control of Promotion 2 of the control of Promotion 3 of the control of Promotion 2 of the control of Promotion 3 of the control of the control of Promotion 2 of the control of the control of Promotion 3 of the control of the control of Promotion 3 of the control of the control of Promotion 3 of the control of the control of Promotion 3 of the control of the control of Promotion 3 of the c	CS_OFFL_SIR_LRM_2_20230614T232908_20230614T233025_E001		
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So-Johnstein (1998) And 2 20200641700107 20200641700010 E001 So-Johnstein (1998) So-Jo	CS_OFFL_SIR_SAR_2_20230614T000259_20230614T000359_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Accounter from (Petropator 3) CS_OFFL_SIR_SAR_2_20220614T009507_20220014T009508_E001 Backscatter from (Petropator 3) CS_OFFL_SIR_SAR_2_20220614T009507_20220014T009508_E001 Backscatter from (Petropator 3) CS_OFFL_SIR_SAR_2_20220614T009508_E0220014T019294_E001 Backscatter from (Petropator 3) CS_OFFL_SIR_SAR_2_20220614T019208_E0020014T019294_E001 Backscatter from (Petropator 3) CS_OFFL_SIR_SAR_2_20220614T019208_E0020014T019294_E001 Backscatter from (Petropator 3) CS_OFFL_SIR_SAR_2_20220614T019208_E0020014T019294_E002001 CS_OFFL_SIR_SAR_2_20220614T019204_E0020014T019204_E0020	CS_OFFL_SIR_SAR_220230614T001804_20230614T002428_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter from (Petroder 2) GB, DAR 2, 20200141700182 20201014170182 For Discorder 10 Petroder 2) Backscatter from (Petroder 2) Backscatter from (Petr	CS_OFFL_SIR_SAR_2_20230614T004107_20230614T004714_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
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Sackscatter from (Percador 9) Backscatter from (Percador 9) Backsc	CS_OFFL_SIR_SAR_2_20230614T005142_20230614T005510_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Personard 2). There is a backscatter error for Petrocker 2 and 3 for one or more records Schopping Sing San 2 20200614T0021914_20030614T002219_E001 Backscatter Error (Personard 2). Backsc	CS_OFFL_SIR_SAR_2_20230614T012832_20230614T012954_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter from (Petracker 2)	CS_OFFL_SIR_SAR_2_20230614T014216_20230614T014346_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Fror (Retracker 2)	CS_OFFL_SIR_SAR_2_20230614T021831_20230614T022056_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Petracker 2). CS. OFFL_SIR_SAR_2_202306147032108_20230614703033_E001 Backscatter Error (Fetracker 2). Backscatter Error (Fetracker 3). Backscatter Error (Fetracker 2). Backscatt	CS_OFFL_SIR_SAR_2_20230614T022114_20230614T022121_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Pletracker 2) Backscatter Error (Pletracker 3)	CS_OFFL_SIR_SAR_220230614T022304_20230614T022659_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) Backscatter Error (Retracker 2) Backscatter Error (Retracker 2	CS_OFFL_SIR_SAR_2_20230614T030722_20230614T030933_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) Backscatter Error (Retracker 3	CS_OFFL_SIR_SAR_2_20230614T032108_20230614T032239_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscather Error (Retracker 3) Backscather Error (Retracker 2) Backscather Error (Retracker 3)	CS_OFFL_SIR_SAR_2_20230614T035747_20230614T035833_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 3) Backscatter Error (Retracker 3) Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) Backscatter Error (Retracker 3) Backscatter Error (Retracker 3) Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) Backscatter Error (Retracker 2) Backscatter Error (Retracker 2) Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) Backscatter Error (Retracker 3	CS_OFFL_SIR_SAR_220230614T035923_20230614T040040_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 3) CS_OFFL_SIR_SAR_2_20230614T044559_20230614T044927_E001 Backscatter Error (Retracker 2) Backscatter Error (Retracker 2) Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230614T050009_20230614T051127_E001 Backscatter Error (Retracker 3)	CS_OFFL_SIR_SAR_220230614T040214_20230614T040518_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 3) Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230614T05003_20230614T051127_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230614T054036_20230614T064822_E001 Backscatter Error (Retracker 2), B	CS_OFFL_SIR_SAR_220230614T040629_20230614T040839_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230614T053358_20230614T053502_E001 Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230614T053521_20230614T053935_E001 Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230614T053913_20230614T053935_E001 Backscatter Error (Retracker 2) Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230614T054036_20230614T054822_E001 Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230614T062534_20230614T062859_E001 Backscatter Error (Retracker 2) Backs	CS_OFFL_SIR_SAR_220230614T044559_20230614T044927_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) CS_OFFL_SIR_SAR_2_20230614T054036_20230614T062859_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230614T062534_20230614T062859_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230614T063853_20230614T064117_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230614T070745_20230614T070858_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_220230614T050009_20230614T050143_E001	, , , , , , , , , , , , , , , , , , , ,	There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 3) Backscatter Error (Retracker 3) Backscatter Error (Retracker 3) Backscatter Error (Retracker 3) Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) CS_OFFL_SIR_SAR_2_20230614T053521_20230614T053653_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) CS_OFFL_SIR_SAR_2_20230614T053913_20230614T053935_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) CS_OFFL_SIR_SAR_2_20230614T054036_20230614T054822_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) CS_OFFL_SIR_SAR_2_20230614T062534_20230614T062859_E001 Backscatter Error (Retracker 2), Backsca	CS_OFFL_SIR_SAR_220230614T050636_20230614T051127_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 3) Backscatter Error (Retracker 3) Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) CS_OFFL_SIR_SAR_2_20230614T053913_20230614T053935_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) CS_OFFL_SIR_SAR_2_20230614T054036_20230614T054822_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) CS_OFFL_SIR_SAR_2_20230614T054036_20230614T054822_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) CS_OFFL_SIR_SAR_2_20230614T062534_20230614T062859_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) CS_OFFL_SIR_SAR_2_20230614T063853_20230614T064117_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) CS_OFFL_SIR_SAR_2_20230614T063853_20230614T064117_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230614T063853_20230614T064117_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230614T070745_20230614T070858_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracke	CS_OFFL_SIR_SAR_220230614T052708_20230614T052749_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
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Backscatter Error (Retracker 3) Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) CS_OFFL_SIR_SAR_2_20230614T062534_20230614T062859_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230614T063853_20230614T064117_E001 Backscatter Error (Retracker 2), Backscatte	CS_OFFL_SIR_SAR_220230614T053913_20230614T053935_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 3) Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) CS_OFFL_SIR_SAR_2_20230614T063853_20230614T064117_E001 Backscatter Error (Retracker 2), Backscatte	CS_OFFL_SIR_SAR_220230614T054036_20230614T054822_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 2) Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records CS_OFFL_SIR_SAR_2_20230614T070745_20230614T070858_E001 Backscatter Error (Retracker 2),	CS_OFFL_SIR_SAR_220230614T062534_20230614T062859_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 2) There is a backscatter error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_SAR_220230614T063853_20230614T064117_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
	CS_OFFL_SIR_SAR_220230614T070745_20230614T070858_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
	CS_OFFL_SIR_SAR_220230614T071111_20230614T071224_E001		There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_2_20230614T071224_20230614T071707_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T071742_20230614T071845_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T072046_20230614T072951_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T080415_20230614T080614_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T081744_20230614T082118_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T084606_20230614T084722_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2 _20230614T085506_20230614T085535_E001	Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2 _20230614T090011_20230614T090733_E001	Backscatter Error (Retracker 3) Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T091305_20230614T091345_E001	Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS OFFL SIR SAR 2 20230614T093710 20230614T093844 E001	Backscatter Error (Retracker 3) Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS OFFL SIR SAR 2 20230614T094339 20230614T094422 E001	Backscatter Error (Retracker 3) Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS OFFL SIR SAR 2 20230614T095527 20230614T095727 E001	Backscatter Error (Retracker 3) Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS OFFL SIR SAR 2 20230614T095727 20230614T100229 E001	Backscatter Error (Retracker 3) Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS OFFL SIR SAR 2 20230614T101453 20230614T101643 E001	Backscatter Error (Retracker 3) Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS OFFL SIR SAR 2 20230614T102522 20230614T102649 E001	Backscatter Error (Retracker 3) Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
	Backscatter Error (Retracker 3) Backscatter Error (Retracker 2),	
CS_OFFL_SIR_SAR_2_20230614T103925_20230614T104445_E001	Backscatter Error (Retracker 3) Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T110554_20230614T110756_E001	Backscatter Error (Retracker 3) Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230614T111512_20230614T111627_E001	Backscatter Error (Retracker 3) Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230614T112235_20230614T112337_E001	Backscatter Error (Retracker 3) Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230614T113824_20230614T113856_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230614T114133_20230614T114433_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_220230614T120436_20230614T120605_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T121042_20230614T121304_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_220230614T121337_20230614T121413_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_220230614T121814_20230614T122331_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_220230614T122331_20230614T122405_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T124118_20230614T124620_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_220230614T130128_20230614T130253_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T131452_20230614T131649_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T135637_20230614T135708_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_220230614T135759_20230614T140504_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T144058_20230614T144227_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T145347_20230614T145600_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T152231_20230614T152426_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_220230614T153330_20230614T154042_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T154212_20230614T154229_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T154257_20230614T154522_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T162025_20230614T162156_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T163256_20230614T163559_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T171301_20230614T171809_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T171809_20230614T171945_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T172126_20230614T172228_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T173046_20230614T173135_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T173322_20230614T173412_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T175213_20230614T175351_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T175615_20230614T175814_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_220230614T175923_20230614T180140_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T181140_20230614T181518_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T185011_20230614T185823_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T185823_20230614T185950_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T190036_20230614T190045_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T190602_20230614T190752_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T191003_20230614T191150_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T192530_20230614T192718_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_220230614T193747_20230614T194122_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_220230614T195057_20230614T195435_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T203056_20230614T203722_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T203722_20230614T203838_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T204017_20230614T204150_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T204157_20230614T204256_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T204348_20230614T204644_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T205041_20230614T205211_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T211508_20230614T212207_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T213303_20230614T213410_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T213940_20230614T214022_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T220956_20230614T221024_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T221203_20230614T221608_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_2_20230614T222412_20230614T222420_E001	Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS OFFL SIR SAR 2 20230614T222958 20230614T223125 E001	Backscatter Error (Retracker 3) Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
	Backscatter Error (Retracker 3) Backscatter Error (Retracker 2),	
CS_OFFL_SIR_SAR_220230614T223941_20230614T224154_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230614T225655_20230614T225731_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_220230614T231226_20230614T231320_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_220230614T232729_20230614T232908_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_220230614T235057_20230614T235142_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_220230614T235228_20230614T235347_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T235347_20230614T235642_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20230614T235856_20230615T000036_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_2_20230614T000114_20230614T000259_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_20230614T002800_20230614T003022_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_20230614T003042_20230614T003109_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_20230614T004716_20230614T004937_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_20230614T005000_20230614T005142_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_20230614T005510_20230614T005633_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_2_20230614T010344_20230614T010507_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_2_20230614T012954_20230614T013146_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_20230614T014012_20230614T014216_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_20230614T020833_20230614T021200_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_220230614T022056_20230614T022114_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_2_20230614T022122_20230614T022304_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_20230614T022700_20230614T023134_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_20230614T030934_20230614T031112_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_20230614T031233_20230614T031358_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20230614T031815_20230614T032108_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_20230614T040041_20230614T040214_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_2_20230614T040518_20230614T040629_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_2_20230614T040839_20230614T041421_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_20230614T044927_20230614T045311_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_20230614T045854_20230614T050008_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_20230614T052749_20230614T052954_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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Discussion of the control of the con	CS_OFFL_SIR_SIN_220230614T053705_20230614T053755_E001	track Angle Error, Surface model unavailable	was detected for SARIn mode, and no DEM or Slope Model was used for
Decident for international processors of the pro	CS_OFFL_SIR_SIN_220230614T053936_20230614T054036_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
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Society Set 2012 (2008) 1170/1915 (2009) 1170/2915 (2009)	CS_OFFL_SIR_SIN_2_20230614T062859_20230614T063216_E001	Backscatter Error (Retracker 3), SARIn X	
Beneated From Phenomen 1) Beneated From Phenomen 2) Beneated From Phenomen 3) Beneated From Phen	CS_OFFL_SIR_SIN_2_20230614T063728_20230614T063853_E001	Backscatter Error (Retracker 3), SARIn X	
SG_OFFL_SR_SR_2_20000014109165_0000014109001_E001 Manacetter from (Perceber 2)_ Manacetter from (Perceber 3)_ Manacetter from	CS_OFFL_SIR_SIN_2_20230614T065901_20230614T070221_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
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So GPTL SIN SIN 2 _ 2020014T109578 (2020014T09575 E001 Shank Nava Angle Fror Shank Nava Angle Fror Shank Sin Sin 2 _ 2020014T109578 (2020014T09575 E001 Shank Sin	CS_OFFL_SIR_SIN_2_20230614T080614_20230614T081010_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error	
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Sackscatter Form (Petracher 3), SARIN X (April Error Variable of SARIN mode) for one or more records standard from the petracher 2 and 3 and an integrous angle standard from the petracher 2 and 3 and an integrous angle standard from the petracher 2 and 3 and an integrous angle standard from (Petracher 2), SARIN X (April Error Variable from (Petracher 3), SARIN X (April Error Variable from (Pet	CS_OFFL_SIR_SIN_2_20230614T085855_20230614T090011_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error	was detected for SARIn mode for one or more records
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Saccenter from (Petracker 2), SARIH X Tends And a control for SARIH mode for one or more records and state of the state of	CS_OFFL_SIR_SIN_2_20230614T095344_20230614T095526_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error	was detected for SARIn mode for one or more records
Descriptions from the product of the	CS_OFFL_SIR_SIN_2_20230614T103400_20230614T103745_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 2),	was detected for SARIn mode for one or more records
Se_OFFL_SIR_SIN_2_2020614T10445_2020614T10625_E001 Backscatter Error (Retracker 2), SARIIN xtrack Angle Error, Surface model unavailable Se_OFFL_SIR_SIN_2_2020614T105216_2020614T105624_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIIN xtrack Angle Error, (Retracker 2), Backscatter Error (Retracker 3), SARIIN xtrack Angle Error, (Retracker 2), Backscatter Error (R	CS_OFFL_SIR_SIN_2_20230614T103748_20230614T103925_E001	track Angle Error, Surface model unavailable	was detected for SARIn mode, and no DEM or Slope Model was used for
Backscatter Error (Fletracker 3) CS_OFFL_SIR_SIN_2_20230614T112338_20230614T13823_E001 Backscatter Error (Fletracker 2) Backscatter Error (Fletracker 2) Backscatter Error (Fletracker 3), SARIn X track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T113210_20230614T13823_E001 Backscatter Error (Fletracker 2), Backscatter Error (Fletracker 3), SARIn X track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T12130_20230614T12133_E001 Backscatter Error (Fletracker 2), Backscatter Error (Fletracker 3), SARIn X track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T12130_20230614T12133_E001 Backscatter Error (Fletracker 2), Backscatter Error (Fletracker 3), SARIn X track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T12130_20230614T12131_E001 Backscatter Error (Fletracker 2), Backscatter Error (Fletracker 3), SARIn X track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T122405_20230614T12514_E001 Backscatter Error (Fletracker 2), Backscatter Error (Fletracker 3), SARIn X track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T123056_20230614T123755_E001 SARIn X track Angle Error (Fletracker 2), Backscatter Error (Fletracker 2), Backsca	CS_OFFL_SIR_SIN_220230614T104445_20230614T104625_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
Seckscatter Error (Pletracker 2), SARIN X, 1992 20230614T112310 20230614T113210 20230614T113236 E001 Seckscatter Error (Pletracker 2), SARIN X, 1992 20230614T113210 20230614T113210 20230614T113236 E001 SARIN X-track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T113210 20230614T11336_E001 Sackscatter Error (Pletracker 2), Backscatter Error (Pletracker 3), SARIN X, 1992 20230614T121304_20230614T121336_E001 SARIN X-track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T121304_20230614T121314_E001 SARIN X-track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T12405_20230614T121814_E001 SARIN X-track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T12405_20230614T12355_E001 SARIN X-track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T130256_20230614T130504_E001 SARIN X-track Angle Error, Surface model unavailable Sackscatter Error (Pletracker 2), Backscatter error for Retracker 2 and 3 for one or more records Model was used for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records SARIN X-track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T130946_20230614T130954_E001 SARIN X-track Angle Error SARIN X-track Angle Error SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error SARIN X-track Angle Error There is a backscatter error	CS_OFFL_SIR_SIN_2_20230614T105216_20230614T105624_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Pletracker 3), SARIN X track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T112104_20230614T12136_E001 SARIN_X track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T121304_20230614T12136_E001 Backscatter Error (Pletracker 2), Backscatter Error (Pletracker 3), SARIN X track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T121413_20230614T121814_E001 CS_OFFL_SIR_SIN_2_20230614T121413_20230614T121814_E001 CS_OFFL_SIR_SIN_2_20230614T122405_20230614T122445_E001 Backscatter Error (Pletracker 2), Backscatter Error (Pletracker 3), SARIN X track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T123556_20230614T123755_E001 CS_OFFL_SIR_SIN_2_20230614T13004_20230614T130504_E001 SARIN_X track Angle Error SARIN_X track Angle Error SARIN_X track Angle Error An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for track angle was detected for SARIn mode and no DEM or Slope Model was used for track angle Error There is a backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records 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 and an ambiguous angle was detected for SARIn mode for one or more r	CS_OFFL_SIR_SIN_2_20230614T112338_20230614T112522_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error	was detected for SARIn mode for one or more records
model unavailable Model was used for one or more records CS_OFFL_SIR_SIN_2_20230614T121304_20230614T121336_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X-track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T130253_20230614T130504_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X-track Angle Error CS_OFFL_SIR_SIN_2_20230614T130253_20230614T130504_E001 SARIn X-track Angle Error SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIn X-track Angle Error CS_OFFL_SIR_SIN_2_20230614T131001_20230614T131007_E001 SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records 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 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error (Retracker 3), SARIN X-track Angle Error (Retracker 3), SARIN X-track Angle Error (Retracker 3), SARIN X-track Angle Error (Retracker	CS_OFFL_SIR_SIN_220230614T113210_20230614T113823_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
Backscatter Error (Retracker 3) Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) SARIN X-track Angle Error, Surface model unavailable Backscatter Error (Retracker 2) Backscatter Error (Retracker 3) SARIN X-track Angle Error SARIN X-trac	CS_OFFL_SIR_SIN_2_20230614T114845_20230614T115119_E001		
CS_OFFL_SIR_SIN_2_20230614T121413_20230614T121814_E001 Backscatter Error (Retracker 3), SARIN xirack Angle Error, Surface model unavailable Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN xirack Angle Error, Surface model unavailable Backscatter Error (Retracker 3), SARIN xirack Angle Error, Surface model unavailable Backscatter Error (Retracker 3) Backscatter Error (Retracker 3), SARIN xirack Angle Error, Surface model unavailable Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN xirack Angle Error, Surface model unavailable Backscatter Error (Retracker 3), SARIN xirack Angle Error, Surface model unavailable Backscatter Error (Retracker 3), SARIN xirack Angle Error CS_OFFL_SIR_SIN_2_20230614T130946_20230614T130952_E001 SARIN xirack Angle Error SARIN xirack Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN xirack Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN xirack Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN xirack Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN xirack Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN xirack Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIN xirack Angle Error (Retracker 2), Backscatter Error (Retracker 3), SARIN xirack Angle Error SOFFL_SIR_SIN_2_20230614T13132248_20230614T1315637_E001 Backscatter Error (Retracker 3), SARIN xirack Angle Error, Surface model unavailable Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN xirack Angle Error, Surface model unavailable SARIN xirack Angle Error, Surface Male Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracke	CS_OFFL_SIR_SIN_2_20230614T121304_20230614T121336_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 3) SARIn X-track Angle Error, Surface model unavailable SARIn X-track Angle 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 SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIn X-track Angle Error SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIn X-track Angle Error SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIn X-track Angle Error SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIn X-track Angle Error CS_OFFL_SIR_SIN_2_20230614T131132_20230614T131451_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 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 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 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 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 SARIN X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope SARIN X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope	CS_OFFL_SIR_SIN_2_20230614T121413_20230614T121814_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
model unavailable Model was used for one or more records Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error CS_OFFL_SIR_SIN_2_20230614T130946_20230614T130952_E001 SARIn X-track Angle Error SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIn X-track Angle Error CS_OFFL_SIR_SIN_2_20230614T131001_20230614T131007_E001 SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIn X-track Angle Error CS_OFFL_SIR_SIN_2_20230614T131132_20230614T131451_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 3), SARIn X track Angle Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T135708_20230614T135759_E001 SARIn X-track Angle Error SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records 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_20230614T135708_20230614T135759_E001 SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope	CS_OFFL_SIR_SIN_2_20230614T122405_20230614T122445_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20230614T130253_20230614T130504_E001 Backscatter Error (Retracker 3), SARIn X was detected for SARIn mode for one or more records SARIn X-track Angle Error SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_20230614T131001_20230614T131007_E001 SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_20230614T131132_20230614T131007_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error CS_OFFL_SIR_SIN_2_20230614T135248_20230614T135637_E001 Backscatter Error (Retracker 2), SARIn X track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T135708_20230614T135759_E001 SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode for one or more records 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, 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_20230614T135708_20230614T135709_E001 SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope An ambiguous angle was detected for SARIn mode and no DEM or Slope	CS_OFFL_SIR_SIN_2_20230614T123556_20230614T123755_E001	model unavailable	
CS_OFFL_SIR_SIN_2_20230614T131094_20230614T131007_E001 SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_20230614T131132_20230614T131451_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN X track Angle Error Backscatter Error (Retracker 3), SARIN X track Angle Error 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_20230614T135248_20230614T135637_E001 Backscatter Error (Retracker 2), 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_20230614T135708_20230614T135759_E001 SARIN X-track Angle Error Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope SARIN X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope	CS_OFFL_SIR_SIN_220230614T130253_20230614T130504_E001	Backscatter Error (Retracker 3), SARIn X	
CS_OFFL_SIR_SIN_2_20230614T13100T_20230614T13100T_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T135708_20230614T135759_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) Backscatter Error (Retracker 3) 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 There is a backscatter error for Retracker 2 and 3 for one or more records SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope	CS_OFFL_SIR_SIN_2_20230614T130946_20230614T130952_E001	SARIn X-track Angle Error	
CS_OFFL_SIR_SIN_2_20230614T131132_20230614T131451_E001 Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T135248_20230614T135759_E001 Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T135708_20230614T135759_E001 Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope	CS_OFFL_SIR_SIN_220230614T131001_20230614T131007_E001	SARIn X-track Angle Error	
CS_OFFL_SIR_SIN_2_20230614T135248_20230614T135637_E001 Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T135708_20230614T135759_E001 Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230614T135708_20230614T135759_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) There is a backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope	CS_OFFL_SIR_SIN_2_20230614T131132_20230614T131451_E001	Backscatter Error (Retracker 3), SARIn X- track Angle Error	
Backscatter Error (Retracker 3) SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope	CS_OFFL_SIR_SIN_2_20230614T135248_20230614T135637_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_20230614T135708_20230614T135759_E001	Backscatter Error (Retracker 3)	
	CS_OFFL_SIR_SIN_2_20230614T141207_20230614T141550_E001		

	Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle
CS_OFFL_SIR_SIN_220230614T144227_20230614T144445_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error	was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230614T145232_20230614T145347_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error 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
CS_OFFL_SIR_SIN_220230614T152715_20230614T153330_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_220230614T154042_20230614T154212_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_220230614T154229_20230614T154257_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_220230614T162156_20230614T162320_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_20230614T163138_20230614T163256_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_220230614T170928_20230614T171053_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_220230614T171130_20230614T171301_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_20230614T171945_20230614T172126_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_2_20230614T173012_20230614T173046_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_220230614T173135_20230614T173322_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_220230614T180140_20230614T180307_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_220230614T180830_20230614T181139_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_220230614T185955_20230614T190036_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_220230614T190438_20230614T190602_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_220230614T191720_20230614T192040_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_2_20230614T194122_20230614T194237_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_20230614T194729_20230614T195057_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_220230614T195947_20230614T195956_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_2_20230614T203838_20230614T204017_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_220230614T204256_20230614T204347_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_220230614T212207_20230614T212443_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_220230614T212636_20230614T212957_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_220230614T213050_20230614T213303_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_220230614T221024_20230614T221203_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_220230614T221718_20230614T221839_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_20230614T222153_20230614T222411_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_220230614T225731_20230614T230333_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_220230614T230550_20230614T230627_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20230614T231048_20230614T231226_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_220230614T235142_20230614T235228_E001		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_220230614T235643_20230614T235855_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