





1. Overview

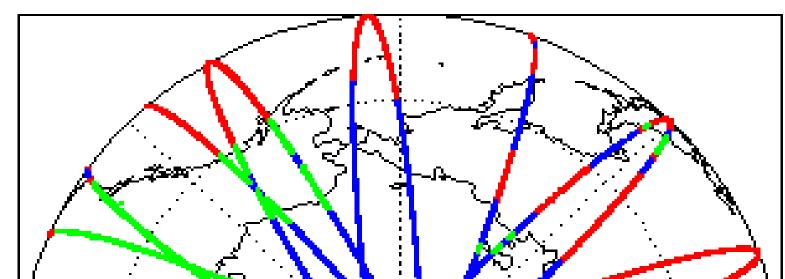
Report Production Date:	24-Feb-2023
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

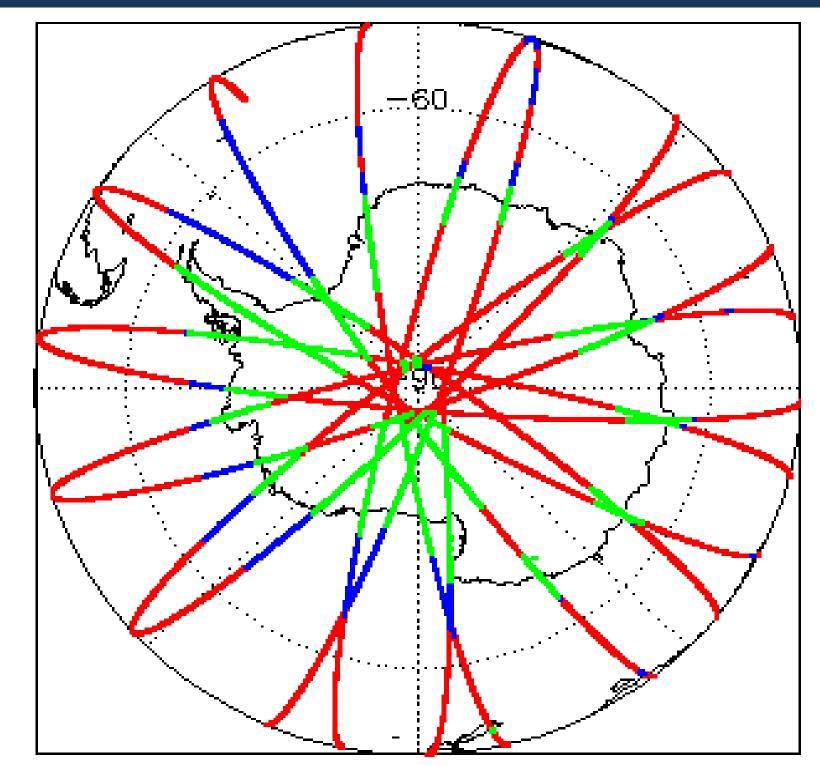
We would love to hear from you! Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com

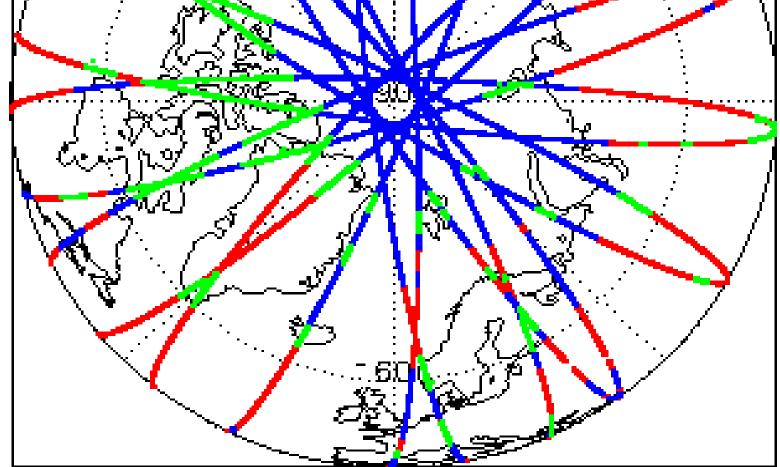
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration 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

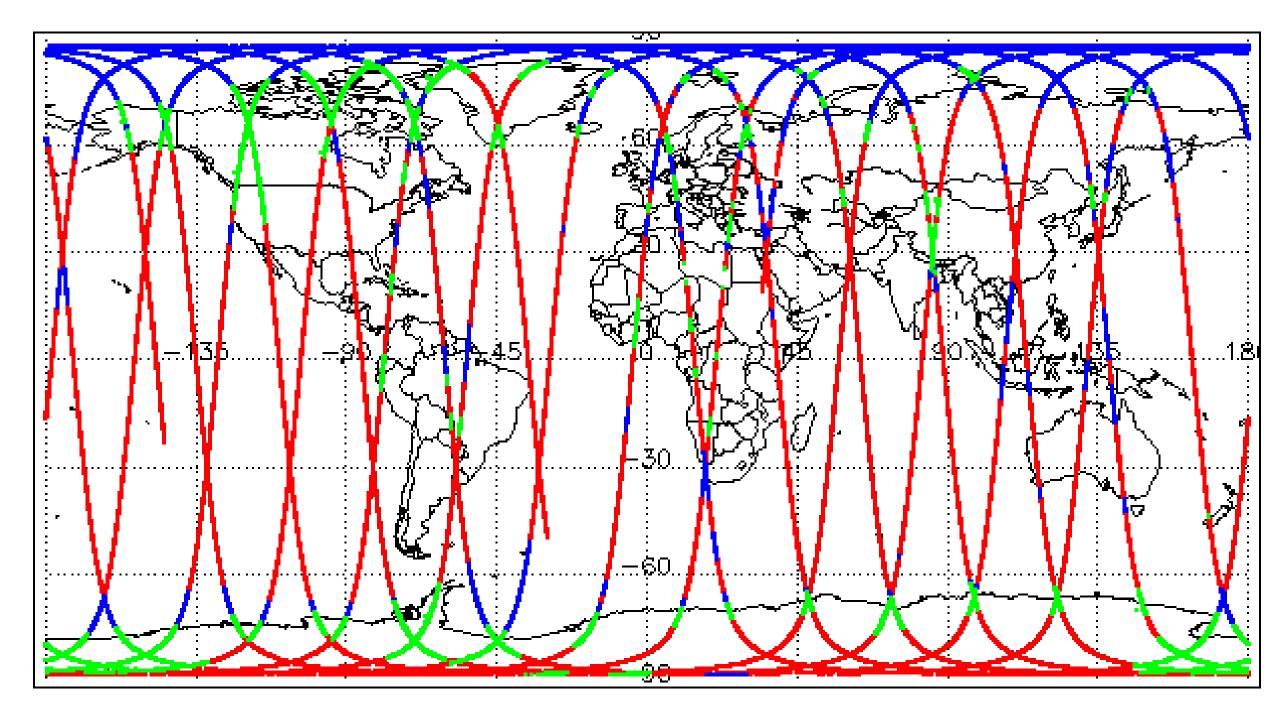
Mission / Instru	Mission / Instrument News		
23-Jan-2023	None		
24-Jan-2023	SIRAL unavailability 14:34:01 to 16:24:28 due to an Orbit Control Manoeuvre		
25-Jan-2023	Nothing planned		

2. Global Coverage



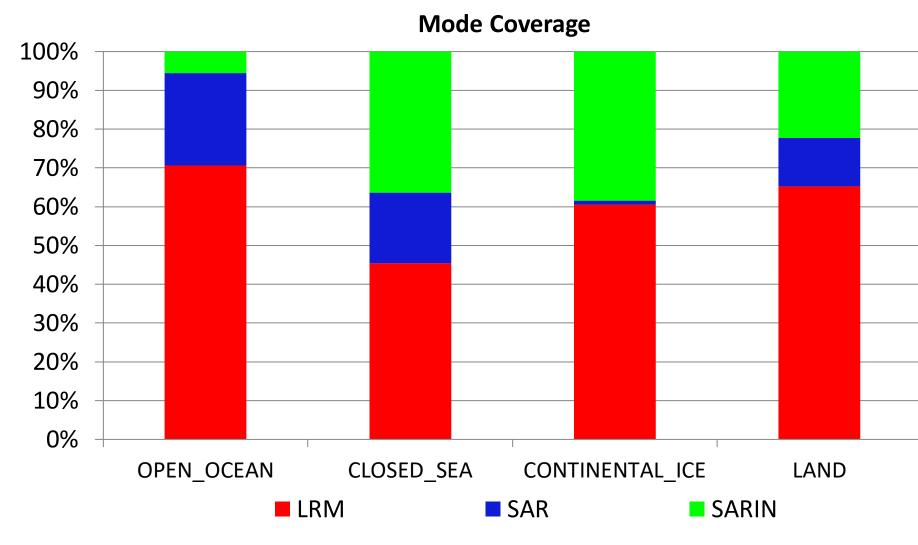


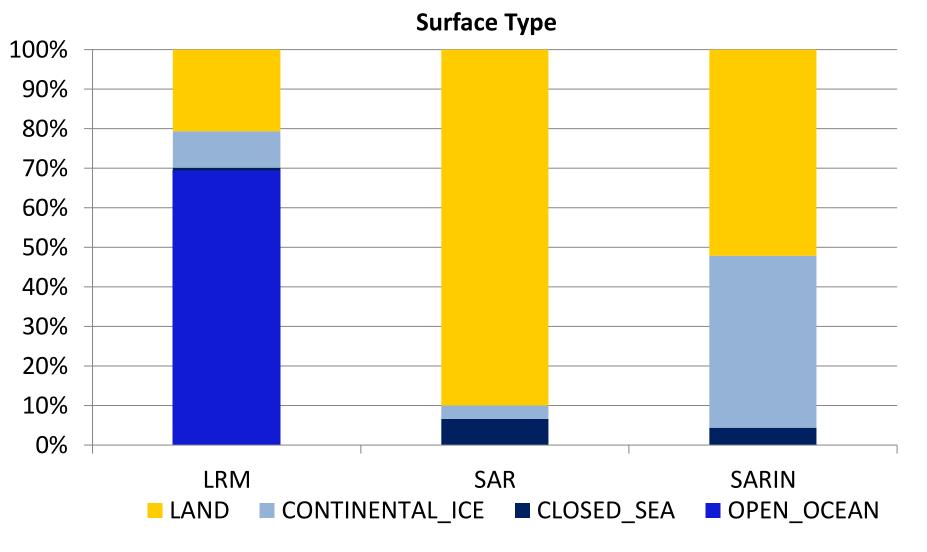




Mode Coverage (%)

LRM	68.2
SAR	18.9
SARIn	12.8





3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

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

Number of products with errors:

4.3 Star Tracker Usage Check

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

Number of products with errors:

0

Not 0!

0

4.4 L1B Tracking Flags Check

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

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

Number of products with errors:

139

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20230123T234802_20230124T002150_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230124T003607 20230124T003654 E001	Loss of echo	The tracking echo is missing for one or more records

C5_0FFL_5IK_LRIVI_16_202301241003607_202301241003654_E001
CS_OFFL_SIR_LRM_1B_20230124T003937_20230124T004314_E001
CS_OFFL_SIR_LRM_1B_20230124T004332_20230124T004406_E001
CS_OFFL_SIR_LRM_1B_20230124T004951_20230124T005445_E001
CS_OFFL_SIR_LRM_1B_20230124T005503_20230124T005950_E001
CS_OFFL_SIR_LRM_1B_20230124T010055_20230124T010318_E001
CS_OFFL_SIR_LRM_1B_20230124T011546_20230124T012106_E001
CS_OFFL_SIR_LRM_1B_20230124T020334_20230124T020339_E001
CS_OFFL_SIR_LRM_1B_20230124T022116_20230124T022232_E001
CS_OFFL_SIR_LRM_1B_20230124T022235_20230124T022251_E001
CS_OFFL_SIR_LRM_1B_20230124T022303_20230124T022335_E001
CS_OFFL_SIR_LRM_1B_20230124T022453_20230124T022954_E001
CS_OFFL_SIR_LRM_1B_20230124T025644_20230124T030006_E001
CS_OFFL_SIR_LRM_1B_20230124T030629_20230124T031202_E001
CS_OFFL_SIR_LRM_1B_20230124T031211_20230124T033451_E001
CS_OFFL_SIR_LRM_1B_20230124T034144_20230124T034157_E001
CS_OFFL_SIR_LRM_1B_20230124T034203_20230124T034213_E001
CS_OFFL_SIR_LRM_1B_20230124T034220_20230124T034222_E001
CS_OFFL_SIR_LRM_1B_20230124T034232_20230124T034336_E001
CS_OFFL_SIR_LRM_1B_20230124T043720_20230124T043913_E001
CS_OFFL_SIR_LRM_1B_20230124T045245_20230124T045838_E001
CS_OFFL_SIR_LRM_1B_20230124T050125_20230124T050228_E001
CS_OFFL_SIR_LRM_1B_20230124T050231_20230124T050336_E001
CS_OFFL_SIR_LRM_1B_20230124T050721_20230124T051422_E001
CS_OFFL_SIR_LRM_1B_20230124T051650_20230124T051706_E001
CS_OFFL_SIR_LRM_1B_20230124T051708_20230124T051717_E001
CS OFFL SIR LRM 1B 20230124T051720 20230124T051721 E001

CS_OFFL_SIR_LRM_1B_202301241003607_202301241003654_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230124T003937_20230124T004314_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230124T004332_20230124T004406_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230124T004951_20230124T005445_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20230124T025644_20230124T030006_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230124T030629_20230124T031202_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230124T031211_20230124T033451_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230124T034144_20230124T034157_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230124T034203_20230124T034213_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20230124T034232_20230124T034336_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230124T043720_20230124T043913_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230124T045245_20230124T045838_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230124T050125_20230124T050228_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230124T050231_20230124T050336_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20230124T171458_20230124T171459_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230124T171532_20230124T172749_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230124T172953_20230124T174538_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20230124T211116_20230124T211444_E001
CS_OFFL_SIR_LRM_1B_20230124T211708_20230124T214528_E001
CS_OFFL_SIR_LRM_1B_20230124T214532_20230124T214551_E001
CS_OFFL_SIR_LRM_1B_20230124T214553_20230124T214613_E001
CS_OFFL_SIR_LRM_1B_20230124T214615_20230124T214623_E001

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

4.5 L1B Calibration Usage Check Each product is checked in order to ensure that the necessary calibration files have been used in processing. Number of products with errors: 0 4.6 L1B Auxilary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 0 **4.7 L1B Auxiliary Correction Error Check** CryoSat L1B data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 8 **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: 0

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

nber of products with errors: Not 0!

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:

131

	Test Failed	DescriptionThere is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230124T002326_20230124T002334_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_220230124T002336_20230124T002356_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_220230124T003159_20230124T003455_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230124T003654_20230124T003733_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_220230124T003856_20230124T003937_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_220230124T004608_20230124T004644_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_220230124T010318_20230124T010535_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_220230124T011346_20230124T011421_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_220230124T012413_20230124T012646_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_220230124T014916_20230124T015202_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_220230124T020133_20230124T020331_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_220230124T021059_20230124T021237_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_220230124T021307_20230124T021336_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230124T021418_20230124T021440_E001	Snow depth model	falls outside of the extent of the current snow depth modelThere is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230124T021738_20230124T022116_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_220230124T021736_20230124T022116_E001 CS_OFFL_SIR_SAR_220230124T022335_20230124T022453_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_220230124T023811_20230124T023958_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_220230124T025137_20230124T025232_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_220230124T025318_20230124T025405_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230124T030341_20230124T030629_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_220230124T033451_20230124T033502_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_220230124T033758_20230124T034059_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_220230124T034102_20230124T034103_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	There is an error with the Dry tropospheric corrrection, Wet tropospheric correction, Inverse barometric correction, Dynamic atm correction, Model lonospheric correction, Solid Earth tide, Geocentral polar tide, and Snow depth model, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230124T034105_20230124T034106_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	There is an error with the Dry tropospheric correction, Wet tropospheric correction, Inverse barometric correction, Dynamic atm correction, Model lonospheric correction, Solid Earth tide, Geocentral polar tide, and Snow depth model, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230124T034111_20230124T034118_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_220230124T034120_20230124T034123_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_220230124T034129_20230124T034131_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_220230124T034134_20230124T034139_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230124T035149_20230124T035249_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_220230124T035325_20230124T035542_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_220230124T040329_20230124T040352_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_220230124T042746_20230124T043445_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_220230124T044538_20230124T044544_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_220230124T045151_20230124T045245_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230124T045838_20230124T050125_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_220230124T050336_20230124T050721_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_220230124T051422_20230124T051511_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_220230124T051727_20230124T051733_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_220230124T051734_20230124T051752_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_220230124T051756_20230124T051802_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_220230124T051804_20230124T051815_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_220230124T051816_20230124T051821_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230124T055026_20230124T055216_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 envery with the Crew Denth welve, where ere ere an every
CS_OFFL_SIR_SAR_220230124T055220_20230124T055434_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_220230124T062501_20230124T062506_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_220230124T063212_20230124T063243_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_220230124T064005_20230124T064145_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_220230124T065710_20230124T065723_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_220230124T065725_20230124T065726_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230124T065728_20230124T065733_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_220230124T065736_20230124T065742_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_220230124T071136_20230124T071248_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_220230124T071518_20230124T071605_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_220230124T072152_20230124T072323_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230124T075109_20230124T075211_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_220230124T080441_20230124T080449_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_220230124T082721_20230124T082806_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_220230124T082845_20230124T082914_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_220230124T093009_20230124T093024_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_220230124T093032_20230124T093147_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230124T094250_20230124T094315_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_220230124T101924_20230124T102051_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_220230124T104024_20230124T104149_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_220230124T110842_20230124T111123_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230124T112234_20230124T112244_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_220230124T114340_20230124T114405_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_220230124T114940_20230124T115039_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_220230124T115040_20230124T115044_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_220230124T115156_20230124T115342_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_220230124T115701_20230124T115732_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_220230124T115830_20230124T115909_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230124T120103_20230124T120158_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_220230124T121208_20230124T121212_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_220230124T121215_20230124T121217_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_220230124T121219_20230124T121224_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230124T124830_20230124T125111_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_220230124T130050_20230124T130138_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_220230124T130422_20230124T130621_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_220230124T130855_20230124T131144_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_220230124T131152_20230124T131159_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_220230124T131202_20230124T131234_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_220230124T132901_20230124T132925_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230124T133000_20230124T133203_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_220230124T133409_20230124T133544_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_220230124T133937_20230124T135345_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_220230124T140230_20230124T140515_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230124T142717_20230124T142851_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_220230124T171119_20230124T171141_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_220230124T171146_20230124T171156_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_220230124T171158_20230124T171304_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_220230124T171306_20230124T171309_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_220230124T171312_20230124T171320_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230124T171321_20230124T171326_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
		falls outside of the extent of the current snow depth model

CS_OFFL_SIR_SAR_220230124T171344_20230124T171403_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_220230124T171406_20230124T171407_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	There is an error with the Dry tropospheric corrrection, Wet tropospheric correction, Inverse barometric correction, Dynamic atm correction, Model lonospheric correction, Solid Earth tide, Geocentral polar tide, and Snow depth model, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230124T171409_20230124T171411_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_220230124T171421_20230124T171422_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	There is an error with the Dry tropospheric corrrection, Wet tropospheric correction, Inverse barometric correction, Dynamic atm correction, Model lonospheric correction, Solid Earth tide, Geocentral polar tide, and Snow depth model, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230124T172749_20230124T172953_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_220230124T174538_20230124T174541_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_220230124T175238_20230124T175244_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_220230124T175646_20230124T180143_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_220230124T181611_20230124T181823_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_220230124T182913_20230124T183134_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_220230124T183314_20230124T183431_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_220230124T183728_20230124T183819_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_220230124T190106_20230124T190333_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_220230124T190335_20230124T190531_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_220230124T190725_20230124T190952_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_220230124T192424_20230124T192439_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_220230124T193136_20230124T193143_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_220230124T193801_20230124T193806_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_220230124T201159_20230124T201408_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_220230124T203916_20230124T203952_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_220230124T210117_20230124T210127_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_220230124T210426_20230124T210452_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_220230124T211628_20230124T211708_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_220230124T224327_20230124T224336_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_220230124T225519_20230124T225735_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_220230124T234254_20230124T234421_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_220230124T234446_20230124T234748_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_220230124T235145_20230124T235343_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_220230124T235443_20230124T235510_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SIN_220230124T012106_20230124T012413_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230124T030006_20230124T030341_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230124T043445_20230124T043719_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230124T061018_20230124T061605_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230124T111123_20230124T111516_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230124T125111_20230124T125424_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230124T142851_20230124T143305_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records

CS_OFFL_SIR_SIN_220230124T175426_20230124T175646_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230124T193324_20230124T193801_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.

Call Control Decident State Decident State Decident State CS, DPL, SR, LEM 2, 20201214702308, 20201247025718 (2001) Mary Entry Receiver 2, Backaster Amy Entry Receiver 2, Backaster State There is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state (Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more more is a frequitation state control on Related 2 for one or more frequitation state control on Related 2 for one or more frequitation state control on Related 2 for one or more frequitation state control o	Product	Test Failed	Description
Exc., Sec., MI, L., LON, SEC, MILL, LON, MILLON, MILLON	CS_OFFL_SIR_LRM_220230123T234802_20230124T002150_E001	(Retracker 3), Backscatter Error	Retracker 3 and no DEM or Slope Model was used for the location of one or
Cale of the Control of Control o	CS_OFFL_SIR_LRM_220230124T003455_20230124T003600_E001		
 Bartham, J. Van Y. Janks, J. 2007. Schules, P. 40, 2017. Do San Waller, S. Bell, Karleberg, J. Senson, J. Se	CS_OFFL_SIR_LRM_220230124T004332_20230124T004406_E001		
Submit Name - unit interesting and - unit interesti	CS_OFFL_SIR_LRM_220230124T010535_20230124T011346_E001		
CS, OPE, JRR. LINE 2	CS_OFFL_SIR_LRM_220230124T012646_20230124T014916_E001		
CB OFFL BR LINUS 2. 2020; F17022233. 852619; T122225. EX61 Productive Synthesis Brunch Status 2. CS OFFL BR LINUS 2. 2020; F1702204. EX200; F172225. EX61 Productive Synthesis Brunch Status 2. CS OFFL BR LINUS 2. 2020; F170204. EX200; F172225. EX61 Productive Synthesis Brunch Status 2. CS OFFL BR LINUS 2. 2020; F170204. EX200; F172245. EX61 Productive Synthesis Brunch Status 2. CS OFFL BR LINUS 2. 2020; F170204. EX200; F172245. EX61 Productive Synthesis Brunch Status 2. CS OFFL BR LINUS 2. 2020; F170246. EX61 Productive Synthesis Brunch Status 2. CS OFFL BR LINUS 2. 2020; F170246. EX61 Productive Synthesis Brunch Status 2. CS OFFL BR LINUS 2. 2020; F170246. EX61 Productive Synthesis Brunch Status 2. CS OFFL BR LINUS 2. 2020; F170376. F1774. F1774 Productive Synthesis Brunch Status 2. CS OFFL BR LINUS 2. 2020; F170376. F1774. F1774 Productive Synthesis Brunch Status 2. CS OFFL BR LINUS 2. 2020; F170376. F1774. F1774 Productive F1704. F1704. F1704. CS OFFL BR LINUS 2. 2020; F170376. F17076. F1774. F1774 Productive F1704. F1704. F1704. Productive F1704. F1704. F1704. F1704. F1704. Productive F1704. F1704. F1704. Productive F1704. F17	CS_OFFL_SIR_LRM_220230124T015202_20230124T020133_E001	(Retracker 3), Backscatter Error	Retracker 3 and no DEM or Slope Model was used for the location of one or
Big (provide 7) Big (provide 7) Big (provide 7) 00, OTT_OR_INUS_D22002101100002 (PTES012 LD01 High (Provide 7) Bios is a high of discussion of homone 7 is one of the solution of the solution of homone 7 is one of the solution of homone 7 is one of the solution of homone 7 is one of the solution of the solutio	CS_OFFL_SIR_LRM_220230124T022303_20230124T022335_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
Name Name 02.011_000_2_020014110000_200014100000_200014100000_200014100000_200014100000_200014100000_200014100000_200014100000_200014100000_200014100000_20000 Name et all pair of a chastened of an et all pair of a chastened of chastened of chastened of chastened of a chastened of chastened of chastened	CS_OFFL_SIR_LRM_220230124T023326_20230124T023811_E001	C	
CS_OFT_USR_LEX_3XUUULATIONED_ADDITION_LEXT Env (Revalee 2), deduce media Non-Standard and Standard	CS_OFFL_SIR_LRM_220230124T025232_20230124T025318_E001		
Start Unit Link Coll / Auditabilities in Euclidentiation (E. 2001) Emm (Restance 2) excess CS_OFFL_SR_LINL_2_S200121700005_2000127012746_0001 Emm (Restance 2), Soldescentrel / Soldescent	CS_OFFL_SIR_LRM_220230124T030629_20230124T031202_E001	Error (Retracker 2), Surface model	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
No. Why link Cold 2. 400-0124104-01250 (2010) Entry (Remains 2) Instruction US_OFF_USR_LINK_2_00230104104-04_00031241041915_E001 Higgl Entry (Resolver 2) Higgl Entry (Resolver 2) DS_OFF_USR_LINK_2_00230104104-04_000312410401915_E001 Higgl Entry (Resolver 2) Higgl Entry (Resolver 2) DS_OFF_USR_LINK_2_002301041050104_000312410401915_E001 Higgl Entry (Resolver 2) Bioded and Links 20 DS_OFF_USR_LINK_2_002301041050104_00031241040104_E001 Higgl Entry (Resolver 2) Bioded and Links 20 DS_OFF_USR_LINK_2_002301041050104_000336_E001 Higgl Entry (Resolver 2) Bioded and Links 20 DS_OFF_USR_LINK_2_002301041050104_000356_E001 Higgl Entry (Resolver 2) Bioded and Links 20 DS_OFF_USR_LINK_2_002301041050201_E001 Subsolv Hould Main Links 20 Hould Main Links 20 DS_OFF_USR_LINK_2_002301041050201_E001 Subsolv Hould Main Links 20 Hould Main Links 20 DS_OFF_USR_LINK_2_002301041050201_E001 Subsolv Hould Main Links 20 Hould Main Links 20 DS_OFF_USR_LINK_2_002301041050201_E001 Higgl Entry (Resolver 2) Hould Main Links 20 DS_OFF_USR_LINK_2_002301041050201_E001 Higgl Entry (Resolver 2) Hould Main Links 20 DS_OFF_USR_LINK_2_002301041050201_E00101_E001 Higgl Entry (Resolver 2) <td>CS_OFFL_SIR_LRM_220230124T031211_20230124T033451_E001</td> <td></td> <td></td>	CS_OFFL_SIR_LRM_220230124T031211_20230124T033451_E001		
CSUP_CSUP_CSUP_CSUP_CSUP_CSUP_CSUP_CSUP_	CS_OFFL_SIR_LRM_220230124T040352_20230124T042746_E001	C	
CS_OPEL_SR_LEW_2_022012/104524_022012/104034_202012 (Reined 2) (Reined 2) <t< td=""><td>CS_OFFL_SIR_LRM_220230124T044544_20230124T045151_E001</td><td></td><td></td></t<>	CS_OFFL_SIR_LRM_220230124T044544_20230124T045151_E001		
LSB URL SR LEW 2 AUXIN 241001/24 1000014 1000014 1000014 1000014 1000014 100014 End (Remarker 2) nexts 1 CSL OFFL_SR LEW 2_20201241090721_202201241090724 End (Lem (Remarker 2), Balsmath End (Lem (Remarker 2), Balsmath Remarker 2), Balsmath Remarker 20, Balsmath Remarker	CS_OFFL_SIR_LRM_220230124T045245_20230124T045838_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
CSUPULSIFUEXB2_20201241100031_2020124100430_2001 End of the transver 2) records CS_OFFL_SIR_LRM_2_0220124105208_20201241054125_E001 Refrance/2 (Refrance/2), Backsonater End) Refrance/2 (Refrance/2), Backsonater End) Refrance/2 (Refrance/2), Backsonater End) CS_OFFL_SIR_LRM_2_02201241052208_20201241052216_E001 Surface Model Unavailable No DEM or Supe Model was used for the location of one or more removes CS_OFFL_SIR_LRM_2_02201241052208_20201241052216_E001 Surface Model Unavailable No DEM or Supe Model was used for the location of one or more removes CS_OFFL_SIR_LRM_2_0220124105208_2020124105208_E001 Pelgit End (Retracker 2), Backsonater Inter is a height and backsonater error for Retracker 2 and a height error (Retracker 2). CS_OFFL_SIR_LRM_2_0220124105289_20201241054005_E001 Pelgit End (Retracker 2), Reduceater End) Retracker 2). CS_OFFL_SIR_LRM_2_02201241054062_20201241054005_E001 Pelgit End (Retracker 2), Reduceater End) Retracker 2). CS_OFFL_SIR_LRM_2_02201241054165 E0011 Pelgit End (Retracker 2). Reduceater End) CS_OFFL_SIR_LRM_2_02201241054165 E0011 Pelgit End (Retracker 2). Reduceater End) CS_OFFL_SIR_LRM_2_0220124107104105_E001 Surface Model Unavailable No DEM or Supe Model was used for the location of one or more removes CS_OFFL_SIR_LRM_2_0220	CS_OFFL_SIR_LRM_220230124T050125_20230124T050228_E001		
CS: OFFL_SIK_LRM_2_20230124T052296_20230124T052216_F001 Kitelensker 23, Backander Error (Retrocker 2) No DFM or Stope Model was used for the location of one or more records CS:_OFFL_SIK_LRM_2_20230124T052296_20230124T052214_F001 Surface Model Unavailable No DFM or Stope Model was used for the location of one or more records CS:_OFFL_SIK_LRM_2_20230124T052926_20230124T052241_F001 Heigh Error (Retracker 2), Backander Error (Retrocker 2), Backander Error (Retracker 2), Backander Error There is a height and backander a ror for Retracker 2, and a height error for Retracker 3 for one or more records CS:_OFFL_SIK_LRM_2_20230124T056840_20230124T056086_E001 Height Error (Retracker 2), Backander Error (Retracker 2), Backand	CS_OFFL_SIR_LRM_220230124T050231_20230124T050336_E001		
CB. OFFL_SIR_LRM_2_20230124T052226_20230124T052241_E001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CB_OFFL_SIR_LRM_2_20230124T05226_20230124T055126_E001 Endpit Enor (Retracker 2), Backscatter Enor (Retracker 2), Leight Enor (Retracker 2), Surface Model Unavailable There is a height and backscatter error for Retracker 2 and a height enor for (Retracker 2), Surface Model Unavailable CS_OFFL_SIR_LRM_2_20230124T064146_20230124T071685_002_E001 Height Enor (Retracker 2), Surface Model Unavailable No DEM or Slope Model was used for the location of one or more more records CS_OFFL_SIR_LRM_2_20230124T071685_0230124T07168_E001 Enor (Retracker 2), Backscatter Enor (Retracker 2) There is a height and backscatter error for Retracker 2 for one or more more records CS_OFFL_SIR_LRM_2_20230124T071685_0230124T07211_20230124T07211_20230124T07211_20230124T07211_20230124T07211_20230124T07211_20230124T07211_20230124T07211_20230124T07211_20230124T07211_20230124T07211_20230124T07211_20230124T07211_20230124T07211_20230124T07211_20230124T07211_20230124T07211_20230124T07211_20230124T07211_20230124T07210_E001 Height Enor (Retracker 2), Redick	CS_OFFL_SIR_LRM_220230124T050721_20230124T051422_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_20230124T053842_20230124T055026_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Edocatter Error (Retracker 2), Edocatter Error (Retracker 2), Stackscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Ret	CS_OFFL_SIR_LRM_220230124T052209_20230124T052216_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Enor (Retracker 2) records CS_OFFL_SIR_LRM_2_20230124T055840_20230124T061018_E001 Retracker 2) Retracker 2) Retracker 2) CS_OFFL_SIR_LRM_2_20230124T055840_20230124T064005_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Eackscatter Error (Retracker 2), Eackscatter Error (Retracker 2), Sufface Model Unavailable There is a height and backscatter error for Retracker 2 or one or more records CS_OFFL_SIR_LRM_2_20230124T064145_20230124T065609_E001 Height Error (Retracker 2), Sufface model unavailable There is a height and backscatter error for Retracker 2 or one or more records CS_OFFL_SIR_LRM_2_20230124T071605_20230124T071716 Econ (Retracker 2), Sufface model unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20230124T071838_20230124T071252_E001 Height Error (Retracker 2), Height Error (Retracker 2), Eackscatter Error (Retracker 2), Eackscatter Error (Retracker 2), Sufface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20230124T071838_20230124T072528_E001 Height Error (Retracker 2), Height Error (Retracker 2) There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 and condexe error for Retracker 2 and a height error for Retracker 3 and condexe er	CS_OFFL_SIR_LRM_220230124T052226_20230124T052241_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20230124T056840_20230124T061018_E001 (Reiracker 3), Backscatter Error (Reiracker 2) Inter is a legit and backscatter error for Retracker 2 into the reacker 2 into the reacker 3 and a begit and backscatter error for Retracker 2. CS_OFFL_SIR_LRM_2_20230124T064005_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backsc	CS_OFFL_SIR_LRM_220230124T053642_20230124T055026_E001	-	
CS_OFFL_SIR_LRM_2_20230124T063243_20230124T066609_E001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20230124T064145_20230124T066609_E001 Height Error (Retracker 2), Height Error (Retracker 3) There is a height and backscatter error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20230124T071605_20230124T071716_E001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20230124T07139_20230124T072152_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20230124T0753159_E001 Height Error (Retracker 2), Backscatter Error Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 2) CS_OFFL_SIR_LRM_2_20230124T075309_E001 Height Error (Retracker 2), Backscatter Error Retracker 3 for one or more records There is a height and backscatter	CS_OFFL_SIR_LRM_220230124T055840_20230124T061018_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_20230124T064145_20230124T065609_E001 (Retracker 2), Surface model unavailable Retracker 2, Surface model unavailable Retracker 2, Surface model unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20230124T071639_20230124T071716_E001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20230124T071839_20230124T072152_E001 Height Error (Retracker 2) Backscatter Error (Retracker 2) CS_OFFL_SIR_LRM_2_20230124T072332_20230124T072548_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 and a height error for Retracker 2 and a height error for Retracker 3), Backscatter Error (Retracker 2) CS_OFFL_SIR_LRM_2_20230124T072711_20230124T075109_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_20230124T073435_20230124T082721_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Erro	CS_OFFL_SIR_LRM_220230124T063243_20230124T064005_E001		
CS_OFFL_SIR_LRM_2_20230124T071839_20230124T072152_E001 Height Error (Retracker 2), Backscatter Error Retracker 2), Backscatter Error Retracker 2 and a height error for Retracker 2 and a height error for Retracker 2), Backscatter Error Retracker 3, Backscatter Error Retracker 2, and a height error for Retracker 2, and a height error for Retracker 2, Backscatter Error Retracker 3, Backscatter Error Retracker 2, Backscatter Error Retracker 3, Backscatter Error Retracker 2, Backscatter Error Retracker 2, Backscatter Error Retracker 3, Backscatter Error Retracker 3, Backscatter Error Retracker 2, Backscatter Error Retracker 3, Backscatter Error Retracker 2, Backsc	CS_OFFL_SIR_LRM_220230124T064145_20230124T065609_E001	(Retracker 3), Backscatter Error	Retracker 3 and no DEM or Slope Model was used for the location of one or
CS_OFFL_SIR_LRM_2_202301241072323_202301241072132_E001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20230124T072323_20230124T072548_E001 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Leight Error (Retracker 2), Sackscatter Error (Retracker 2), Backscatter Error (Retracker 2), Sackscatter Error (Retracker 2), Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Error (Retracker 2), Backscatter Error for Retracker 2) for one or more records CS_OFFL_SIR_LRM_2_20230124T080449_20230124T082721_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20230124T093024_20230124T093032_E001 Height Error (Retracker 2), Backscatter Error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20230124T094315_20230124T100323_E001 Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retrack	CS_OFFL_SIR_LRM_220230124T071605_20230124T071716_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20230124T072323_20230124T072548_E001 (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3)	CS_OFFL_SIR_LRM_220230124T071839_20230124T072152_E001		.
CS_OFFL_SIR_LRM_2_20230124T072711_20230124T073159_E001 (Retracker 3), Backscatter Error (Retracker 2) Interest a height and backscatter error for Retracker 2 and a height error for Retracker 2) CS_OFFL_SIR_LRM_2_20230124T073435_20230124T075109_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20230124T080449_20230124T082721_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20230124T085550_20230124T08009_E001 Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), 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_20230124T093024_20230124T093032_E001 Height Error (Retracker 2), Backscatter Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20230124T093024_20230124T090332_E001 Height Error (Retracker 2), Backscatter (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2, a height error for (Retracker 3), Backscatter Error (Retracker 2), Backscatter Retracker 3 and no DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20230124T094315_20230124T104024_E001 Height Error (Retracker 2), Backscatter (Retracker 2), Backscatter	CS_OFFL_SIR_LRM_220230124T072323_20230124T072548_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_2023012410/3435_2023012410/9109_E001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20230124T080449_20230124T082721_E001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more CS_OFFL_SIR_LRM_2_20230124T085550_20230124T093009_E001 Height Error (Retracker 2), Height Error (Retracker 2), Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable There is a height and backscatter error for Retracker 2, a height error for Retracker 2, a height error for Retracker 3, Backscatter Error (Retracker 2), Surface model unavailable CS_OFFL_SIR_LRM_2_20230124T103905_20230124T104024_E001 Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable There is a height and backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_220230124T072711_20230124T073159_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_2202301241080449_202301241082721_E001 Error (Retracker 2) records CS_OFFL_SIR_LRM_220230124T085550_20230124T093009_E001 Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error for Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_220230124T093024_20230124T093032_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2), Backscatter error for Retracker 2, a height error for Retracker 2, a height error for Retracker 2, a height error for (Retracker 2), Surface model unavailable CS_OFFL_SIR_LRM_220230124T094315_20230124T10923_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2, a height error for records CS_OFFL_SIR_LRM_2_20230124T10905_20230124T104024_E001 Height Error (Retracker 2), Backscatter Ther	CS_OFFL_SIR_LRM_220230124T073435_20230124T075109_E001		
CS_OFFL_SIR_LRM_2_20230124T085550_20230124T093009_E001 (Retracker 3), Backscatter Error (Retracker 2) Intere is a height and backscatter error for Retracker 2 and a height error for Retracker 2 and a	CS_OFFL_SIR_LRM_220230124T080449_20230124T082721_E001	C	
CS_OFFL_SIR_LRM_2_202301241093024_202301241093032_E001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20230124T094315_20230124T100923_E001 Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable There is a height and backscatter error for Retracker 2, a height error for ne or more CS_OFFL_SIR_LRM_2_20230124T103905_20230124T104024_E001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error nore There is a height and backscatter error for Retracker 2 for one or more	CS_OFFL_SIR_LRM_220230124T085550_20230124T093009_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_20230124T094315_20230124T100923_E001 (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more	CS_OFFL_SIR_LRM_220230124T093024_20230124T093032_E001		
	CS_OFFL_SIR_LRM_220230124T094315_20230124T100923_E001	(Retracker 3), Backscatter Error	Retracker 3 and no DEM or Slope Model was used for the location of one or
	CS_OFFL_SIR_LRM_220230124T103905_20230124T104024_E001		

CS_OFFL_SIR_LRM_220230124T104149_20230124T110842_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_220230124T112244_20230124T114340_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_220230124T114405_20230124T114939_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_220230124T121338_20230124T124830_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_220230124T130138_20230124T130422_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_220230124T132714_20230124T132901_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_220230124T132925_20230124T133000_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_220230124T140515_20230124T142717_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_220230124T162428_20230124T165437_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_220230124T170929_20230124T170941_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230124T171532_20230124T172749_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_220230124T172953_20230124T174538_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_220230124T180143_20230124T181204_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_220230124T181824_20230124T182913_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_220230124T183134_20230124T183314_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230124T185743_20230124T190106_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_220230124T190531_20230124T190725_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_220230124T190952_20230124T192424_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_220230124T193806_20230124T201159_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_220230124T202602_20230124T203104_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230124T203154_20230124T203221_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230124T203223_20230124T203259_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230124T203952_20230124T210117_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_220230124T211708_20230124T214528_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_220230124T221747_20230124T224327_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_220230124T225735_20230124T233128_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_220230124T235659_20230125T000402_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_SAR_220230124T002536_20230124T003159_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T003159_20230124T003455_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T004608_20230124T004644_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T010318_20230124T010535_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T011346_20230124T011421_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T012413_20230124T012646_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T014916_20230124T015202_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T020133_20230124T020331_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220230124T020357_20230124T021059_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T021059_20230124T021237_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T021307_20230124T021336_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T021418_20230124T021440_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T021738_20230124T022116_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T022335_20230124T022453_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T023811_20230124T023958_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T025137_20230124T025232_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T025318_20230124T025405_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T030341_20230124T030629_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T033451_20230124T033502_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T033758_20230124T034059_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T034336_20230124T034458_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T034510_20230124T034957_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T034957_20230124T035121_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T035149_20230124T035249_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T035325_20230124T035542_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T040329_20230124T040352_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T042746_20230124T043445_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T044538_20230124T044544_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T045151_20230124T045245_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T045838_20230124T050125_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T050336_20230124T050721_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T051422_20230124T051511_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T052305_20230124T052839_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T052839_20230124T052954_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T055026_20230124T055216_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T062501_20230124T062506_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T063212_20230124T063243_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T064005_20230124T064145_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T070331_20230124T070422_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T070520_20230124T070608_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T070608_20230124T070925_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T071136_20230124T071248_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T071518_20230124T071605_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220230124T072152_20230124T072323_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T075109_20230124T075211_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T080441_20230124T080449_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T082721_20230124T082806_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T084107_20230124T084136_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T084137_20230124T084839_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T093009_20230124T093024_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T093032_20230124T093147_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T094250_20230124T094315_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T101924_20230124T102051_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T102126_20230124T102324_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T102339_20230124T102908_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T104024_20230124T104149_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T110842_20230124T111123_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T112234_20230124T112244_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T114940_20230124T115039_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T115156_20230124T115342_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T120103_20230124T120158_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T120214_20230124T120222_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T120250_20230124T121042_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T124830_20230124T125111_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T130050_20230124T130138_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T130422_20230124T130621_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T130855_20230124T131144_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T132901_20230124T132925_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T133000_20230124T133203_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T133409_20230124T133544_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T133937_20230124T135345_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T140230_20230124T140515_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T142717_20230124T142851_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T170117_20230124T170658_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T170715_20230124T170734_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T171158_20230124T171304_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T172749_20230124T172953_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T174538_20230124T174541_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220230124T175646_20230124T180143_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T182913_20230124T183134_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T183314_20230124T183431_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T183728_20230124T183819_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T184032_20230124T184722_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T190106_20230124T190333_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T190335_20230124T190531_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T190725_20230124T190952_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T192424_20230124T192439_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T193801_20230124T193806_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T201159_20230124T201408_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T201856_20230124T202414_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T202447_20230124T202602_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T210117_20230124T210127_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T210426_20230124T210452_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T211628_20230124T211708_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T215704_20230124T220710_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T224327_20230124T224336_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T225519_20230124T225735_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T233452_20230124T234133_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T234133_20230124T234227_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T234254_20230124T234421_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T234446_20230124T234748_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230124T235145_20230124T235343_E001	Backscatter Error (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_220230124T002151_20230124T002326_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230124T002402_20230124T002536_E001	Backscatter Error (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_220230124T003600_20230124T003607_E001	Backscatter Error (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_220230124T003733_20230124T003855_E001	Backscatter Error (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_220230124T004406_20230124T004608_E001	Backscatter Error (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_220230124T011421_20230124T011546_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_220230124T012106_20230124T012413_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_220230124T021238_20230124T021307_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_220230124T022954_20230124T023325_E001	Backscatter Error (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_220230124T025405_20230124T025643_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_220230124T030006_20230124T030341_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_220230124T031202_20230124T031211_E001	Backscatter Error (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_220230124T034458_20230124T034510_E001	Backscatter Error (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_220230124T035121_20230124T035149_E001	Backscatter Error (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_220230124T035250_20230124T035324_E001	Backscatter Error (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_220230124T035542_20230124T035628_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_220230124T043445_20230124T043719_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_220230124T043913_20230124T044158_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230124T044351_20230124T044538_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_220230124T051511_20230124T051649_E001	Backscatter Error (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_220230124T052954_20230124T053115_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_220230124T053531_20230124T053642_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_220230124T061018_20230124T061605_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_220230124T061829_20230124T061859_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230124T062322_20230124T062501_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_220230124T070422_20230124T070520_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_220230124T070925_20230124T071136_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_220230124T071248_20230124T071518_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_220230124T071716_20230124T071838_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_220230124T072548_20230124T072710_E001	Backscatter Error (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_220230124T073159_20230124T073435_E001	Backscatter Error (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_220230124T075211_20230124T075352_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_220230124T080234_20230124T080441_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_220230124T082914_20230124T083223_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_220230124T083319_20230124T083446_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_220230124T084839_20230124T085326_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_220230124T093147_20230124T093313_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_220230124T093458_20230124T093600_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230124T094029_20230124T094250_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_220230124T102051_20230124T102126_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_220230124T102324_20230124T102339_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_220230124T102908_20230124T103905_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_220230124T111123_20230124T111516_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_220230124T112108_20230124T112234_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_220230124T115951_20230124T120012_E001	Backscatter Error (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_220230124T120158_20230124T120214_E001	Backscatter Error (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_220230124T120224_20230124T120249_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_220230124T121224_20230124T121338_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_220230124T125111_20230124T125424_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_220230124T125941_20230124T130050_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_220230124T133203_20230124T133350_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_220230124T133544_20230124T133707_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_220230124T142851_20230124T143305_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_220230124T165437_20230124T165611_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_220230124T170023_20230124T170117_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_220230124T170658_20230124T170715_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_220230124T170734_20230124T170746_E001	Backscatter Error (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_220230124T171504_20230124T171532_E001	Backscatter Error (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_220230124T174541_20230124T174723_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_220230124T175426_20230124T175646_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_220230124T183431_20230124T183728_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_220230124T183819_20230124T184032_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_220230124T192439_20230124T192545_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_220230124T193324_20230124T193801_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_220230124T201503_20230124T201856_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_220230124T202415_20230124T202447_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_220230124T203351_20230124T203502_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_220230124T203551_20230124T203916_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_220230124T210452_20230124T210723_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_220230124T211444_20230124T211628_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_220230124T214625_20230124T215704_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_220230124T224336_20230124T224507_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_220230124T225009_20230124T225015_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records

CS_OFFL_SIR_SIN_220230124T225343_20230124T225518_E001	IBackscatter Fron (Retracker 3) SARIN X-	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230124T233128_20230124T233305_E001	Backscatter Error (Retracker 3), SARIN X-	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230124T233350_20230124T233452_E001	$ B_{\mathcal{A}} \cap C_{\mathcal{A}} \cap$	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_220230124T234227_20230124T234254_E001	track Angle Error Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records