

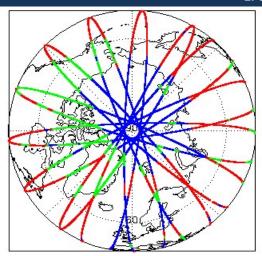
# 1. Overview

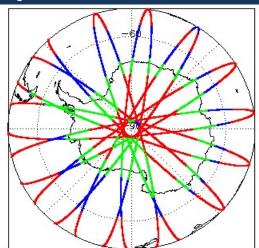
Report Production Date:	22-Sep-2022
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

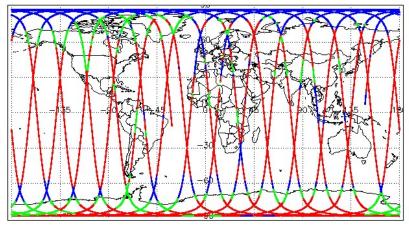
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

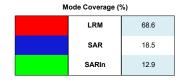
Mission / Instrument News		
23-Aug-2022	None	
24-Aug-2022		
25-Aug-2022	Nothing planned	

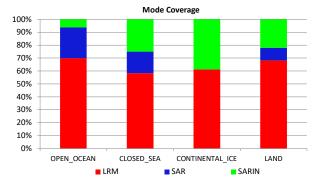
# 2. Global Coverage

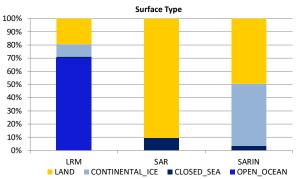












## 3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

# 4. Level 1B Data Quality Check

#### 4.1 L1B Product Format Check

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

Number of products with errors:

#### 4.2 L1B Product Header Analysis

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

Number of products with errors:

0

### 4.3 Star Tracker Usage Check

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

Number of products with errors:

0

### 4.4 L1B Tracking Flags Check

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

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:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20220824T003236_20220824T003331_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T003333_20220824T004718_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T004721_20220824T010854_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T012612_20220824T013611_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T013717_20220824T014017_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T014230_20220824T015816_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T021135_20220824T023219_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T030355_20220824T032322_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T032325_20220824T032326_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T032329_20220824T032609_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T032731_20220824T033821_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T033841_20220824T033909_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T035001_20220824T035606_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T035608_20220824T035623_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T035625_20220824T035636_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T035638_20220824T035710_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T035714_20220824T035758_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T035854_20220824T035933_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T043126_20220824T043503_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T044222_20220824T051006_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T053116_20220824T053247_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T053259_20220824T053950_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T054112_20220824T060544_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T070723_20220824T071432_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T071505_20220824T071655_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T071749_20220824T072527_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T072552_20220824T072659_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T072703_20220824T072832_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T072834_20220824T072949_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T072952_20220824T073551_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T080237_20220824T083440_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T084938_20220824T084951_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T085320_20220824T085451_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T085502_20220824T085558_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T085600_20220824T085608_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T085927_20220824T090050_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T090233_20220824T090711_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T090722_20220824T092301_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T094049_20220824T101618_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T103821_20220824T104259_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T104338_20220824T110132_E001	Loss of echo	The tracking echo is missing for one or more records

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CS_OFFL_SIR_LRM_1B_20220824T112032_20220824T115626_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T122804_20220824T124125_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T125002_20220824T125159_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T125928_20220824T131422_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T131624_20220824T132546_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T132907_20220824T133559_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T134752_20220824T140506_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T141031_20220824T141147_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T141151_20220824T141236_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T141244_20220824T141244_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T141246_20220824T141247_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T141249_20220824T141315_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T141318_20220824T141327_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T141329_20220824T141354_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T141357_20220824T141944_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T142004_20220824T142016_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T142821_20220824T143126_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T150142_20220824T150246_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T150601_20220824T150800_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T150803_20220824T151139_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T151142_20220824T151550_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T153123_20220824T153835_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T153838_20220824T160256_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T160638_20220824T160854_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T160900_20220824T161501_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T161854_20220824T164329_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T164648_20220824T165123_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T170624_20220824T170707_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T170829_20220824T171214_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T171428_20220824T174204_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T175805_20220824T182227_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T182229_20220824T182413_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T182416_20220824T182609_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T182653_20220824T182826_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T182908_20220824T183556_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T184905_20220824T191935_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T194601_20220824T195038_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T195412_20220824T200159_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T200442_20220824T200517_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20220824T200535 20220824T200708 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T200708_20220824T200842_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T201141_20220824T201150_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T213712_20220824T214231_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20220824T214337 20220824T214418 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T214427_20220824T214446_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T214517_20220824T214555_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220824T220345_20220824T223851_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 202208241224714 202208241225127 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202208241234714_202208241223127_L001	Loss of echo	The tracking echo is missing for one or more records
00_011 L_011\_L1\tw_1D_202200241204220_202200241234739_E001	2000 01 6010	The national ections missing for one of more records

### 4.5 L1B Calibration Usage Check

Each product is checked in order to ensure that the necessary calibration files have been used in processing.

Number of products with errors:

## 4.6 L1B Auxilary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

### 4.7 L1B Auxiliary Correction Error Check

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

#### 4.8 L1B Measurement Confidence Data Check

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20220824T053259_20220824T053950_E001	IECDO error IEK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

## 5. Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

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

#### 5.2 L2 Product Header Analysis

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

Number of products with errors:

#### 5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

### 5.4 L2 Auxiliary Correction Error Check

CryoSat L2 data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set.

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_SAR_2_20220824T004718_20220824T004721_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T010854_20220824T010945_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T011634_20220824T011640_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T011647_20220824T011653_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T012051_20220824T012547_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T012547_20220824T012612_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T014017_20220824T014230_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T020117_20220824T020225_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T023219_20220824T023358_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T024731_20220824T024858_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T025545_20220824T025552_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T030351_20220824T030355_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T033821_20220824T033841_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T040317_20220824T040502_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T042551_20220824T042853_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T044033_20220824T044222_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T060545_20220824T060735_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T061922_20220824T062149_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T065711_20220824T065718_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T071655_20220824T071747_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_220220824T072528_20220824T072552_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_220220824T073551_20220824T074059_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_220220824T074509_20220824T074750_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_220220824T075808_20220824T080237_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T084951_20220824T085320_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_220220824T085608_20220824T085747_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20220824T085749 20220824T085927 E001	Snow depth model	falls outside of the extent of the current snow depth model  There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20220824T092301 20220824T092710 E001	·	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
	Snow depth model	falls outside of the extent of the current snow depth model  There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20220824T093652_20220824T094049_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_220220824T101618_20220824T102541_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_220220824T102807_20220824T103821_E001	Snow depth model	falls outside of the extent of the current snow depth model  There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20220824T110132_20220824T110742_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20220824T111812_20220824T112032_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220824T122719_20220824T122804_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T124125_20220824T124726_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T125839_20220824T125928_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T131423_20220824T131624_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T141944_20220824T142004_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T142426_20220824T142429_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T143750_20220824T143901_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T145327_20220824T150142_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T152427_20220824T152445_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_220220824T152628_20220824T152723_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T160257_20220824T160446_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T161710_20220824T161854_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T174204_20220824T174424_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20220824T175600_20220824T175805_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20220824T182610 20220824T182653 E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20220824T191935_20220824T192420_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20220824T193458_20220824T193715_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_220220824T194125_20220824T194601_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20220824T200159_20220824T200239_E001	Snow depth model	falls outside of the extent of the current snow depth model  There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20220824T200842 20220824T201141 E001		falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
	Snow depth model	falls outside of the extent of the current snow depth model  There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20220824T202440_20220824T202518_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20220824T205958_20220824T210349_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_220220824T211345_20220824T211755_E001	Snow depth model	falls outside of the extent of the current snow depth model  There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20220824T214231_20220824T214337_E001	Snow depth model	falls outside of the extent of the current snow depth model  There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20220824T214509_20220824T214517_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220824T214555_20220824T214716_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T214716_20220824T215156_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T215316_20220824T215439_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220824T223851_20220824T224104_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_220220824T224708_20220824T224714_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_220220824T225234_20220824T225632_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_220220824T232215_20220824T232218_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_220220824T234759_20220824T234820_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_220220824T235643_20220825T000124_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_2_20220824T011839_20220824T012051_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220824T025729_20220824T030351_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20220824T093347_20220824T093652_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20220824T110742_20220824T111021_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20220824T111250_20220824T111812_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20220824T124727_20220824T125002_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20220824T192420_20220824T192802_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220824T210349_20220824T210707_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.

Number of products with errors: 217		
Product	Test Failed	Description
CS_OFFL_SIR_LRM_220220823T234834_20220824T001937_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_220220824T003333_20220824T004718_E001	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 Retracker 3 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220824T004721_20220824T010854_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_220220824T012612_20220824T013611_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_220220824T014230_20220824T015816_E001	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 Retracker 3 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20220824T021135_20220824T023219_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_220220824T030355_20220824T032322_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_220220824T032329_20220824T032609_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_220220824T032731_20220824T033821_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_220220824T035638_20220824T035710_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220824T040502_20220824T042551_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_220220824T044222_20220824T051006_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_220220824T053116_20220824T053247_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_220220824T054112_20220824T060544_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_220220824T062149_20220824T065506_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_220220824T070723_20220824T071432_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_220220824T071749_20220824T072527_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_220220824T080237_20220824T083440_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_220220824T083658_20220824T083713_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_220220824T083739_20220824T083814_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_220220824T084629_20220824T084640_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_220220824T084703_20220824T084841_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_220220824T090722_20220824T092301_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_220220824T094049_20220824T101618_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_220220824T102541_20220824T102807_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_220220824T103821_20220824T104259_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_220220824T104338_20220824T110132_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

SCIPTLOR LINE _ 2022001112002 _ 2022001112002 5551	CS_OFFL_SIR_LRM_2_20220824T112032_20220824T115626_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
Section 1991 2 actuation 1992 2 actuation 1992 2000 2001 1992 2001 2001 2001 1992 2001 2001	CS_OFFL_SIR_LRM_2_20220824T120806_20220824T122719_E001		
Sey OFT CONTROL OF A CONTROL PRODUCTION OF THE PRODUCT OF THE PROD	CS_OFFL_SIR_LRM_2_20220824T122804_20220824T124125_E001		
CS_OFF_SR_UNL_2_202004719152_202004719200 ED1  CS_OFF_SR_UNL_2_202004719152_202004719200 ED1  CS_OFF_SR_UNL_2_202004719152_2020047191500 ED1  CS_OFF_SR_UNL_2_202004719152_202004719200 ED1  CS_OFF_SR_UNL_2_202004719152_202004719200 ED1  CS_OFF_SR_UNL_2_202004719200 ED1  CS_OFF_SR_UNL_2_202004719200 ED1  CS_OFF_SR_UNL_2_202004719200 ED1  CS_OFF_SR_UNL_2_20200471920 ED1  CS_OFF_SR_UNL_2_202004719	CS_OFFL_SIR_LRM_2_20220824T125928_20220824T131422_E001		
CB_OFF_BILLEN_2_DEDOSCRITIONS_BOOK DOOR DOOR DOOR DOOR DOOR DOOR DOOR D	CS_OFFL_SIR_LRM_2_20220824T131624_20220824T132546_E001	(Retracker 3), Backscatter Error	
Legis Error (Personner 2), Bockscame (Personne	CS_OFFL_SIR_LRM_2_20220824T134752_20220824T140506_E001	(Retracker 3), Backscatter Error	
Experimental Control (February 2)  Experimental Con	CS_OFFL_SIR_LRM_2_20220824T141151_20220824T141236_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
SO OFFL SIR LIMB 2_20200241192010_2020004119300_E001  Significance 2)  Sig	CS_OFFL_SIR_LRM_2_20220824T143901_20220824T145326_E001		
Enric (Remoker 2). Backscaler composed to a highly and backscaler error for Retractive 2 for one or more records.  Spirit from (Remoker 2). Backscaler from Remoker 2). Backscaler from Remoker 3). Backscaler from Remoker 2). Backscaler from Remoker 2 and a height error (Remoker 2). Backscaler from Remoker 2). Backscaler from Remoker 2). Backscaler from Remoker 2 and a height error (Remoker 2)	CS_OFFL_SIR_LRM_2_20220824T150601_20220824T150800_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
S. OFFL. SIR. LENI. 2. 202200241192052. 202200241192052. EDIOI  S. OFFL. SIR. LENI. 2. 20220024119206. 202200241192052. EDIOI  S. OFFL. SIR. LENI. 2. 20220024119206. 20220024119205. EDIOI  S. OFFL. SIR. LENI. 2. 20220024119205. 20220024119205. EDIOI  S. OFFL. SIR. LENI. 2. 20220024120210. 20220024119205. EDIOI  S. OFFL. SIR. LENI. 2. 20220024120210. 20220024120315. EDIOI  S. OFFL. SIR. LENI. 2. 202200241220516. 20220024122315. EDIOI  S. OFFL. SIR. LENI. 2. 20220024122315. EDIOI  S. OFFL. SIR. LENI. 2. 20220024122305. 202200241232215. EDIOI  S. OFFL. SIR. LENI. 2. 20220024122305. 202200241232215. EDIOI  S. OFFL. SIR. LENI. 2. 20220024122305. 202200241232215. EDIOI  S. OFFL. SIR. LENI. 2. 202200241232305. 202200241232215. EDIOI  S. OFFL. SIR. LENI. 2. 202200241232305. 202200241232215. EDIOI  S. OFFL. SIR. LENI. 2. 202200241232305. 202200241232315. EDIOI  S. OFFL. SIR. LENI. 2. 202200241232305. 202200241	CS_OFFL_SIR_LRM_2_20220824T152742_20220824T153000_E001		
CS_OFFL_SR_LRNL_2_20220924T193935_20220924T192392_ED1  CS_OFFL_SR_LRNL_2_20220924T193935_20220924T192392_ED1  CS_OFFL_SR_LRNL_2_20220924T193935_20220924T192392_ED1  CS_OFFL_SR_LRNL_2_20220924T193935_ED1  CS_OFFL_SR_LRNL_2_20220924T293935_ED1  CS_OFFL_SR_LRNL_2_20220924T29393_ED1  CS_OFFL_SR_LRNL_2_20220924T	CS_OFFL_SIR_LRM_2_20220824T153123_20220824T153835_E001		
Error (Retrosder 2)  S. OFFL, SR LRM 2, 202208241192551, 20220824119237, E001  Sept. SR LRM 2, 202208241192551, 20220824119227, E001  Sept. SR LRM 3, 202208241192556, 20220824119227, E001  Sept. SR LRM 2, 202208241192556, 20220824119227, E001  Sept. SR LRM 2, 202208241192566, 20220824119256, E001  Sept. SR LRM 2, 202208241192566, 202208241191555, E001  Sept. SR LRM 2, 202208241192566, 20220824129156, E001  Sept. SR LRM 2, 202208241192566, 20220824129156, E001  Sept. SR LRM 2, 20220824129156, 20220824129156, 2020824129156, E001  Sept. SR LRM 2, 20220824129156, 20220824129364, E001  Sept. SR LRM 2, 20220824129256, 20220824129364, E001  Sept. SR LRM 2, 20220824129266, 20220824129364, E001	CS_OFFL_SIR_LRM_220220824T153838_20220824T160256_E001	(Retracker 3), Backscatter Error	
Exp (Retander 2)   Exp (Retander	CS_OFFL_SIR_LRM_2_20220824T161854_20220824T164329_E001		
Error (Refracker 2). Height Error (Refracker 2). Height Error (Refracker 2). Height Error (Refracker 3). Backscattler Error (Refracker 4). Backscattler Error (Refracker 4). Backscattler Error (Refracker 2). Backscattler Error (Refracker 4). Bac	CS_OFFL_SIR_LRM_2_20220824T165251_20220824T165317_E001		
(Retracker 2). Backscattler From (Retracker 2). Height Error (Retracker 2). Height Error (Retracker 3). Backscattler Error (Retracker 2). Height Error (Retracker 3). Backscattler Error (Retracker 2). Backscattler Error (Retr	CS_OFFL_SIR_LRM_2_20220824T171428_20220824T174204_E001		
(Refrancker 2), Backscatter Error (Retracker 2), Backscatter Error	CS_OFFL_SIR_LRM_2_20220824T175805_20220824T182227_E001	(Retracker 3), Backscatter Error	
Error (Retracker 2) Error	CS_OFFL_SIR_LRM_220220824T182908_20220824T183556_E001	(Retracker 3), Backscatter Error	
Error (Retracker 2)  GS_OFFL_SIR_LRM_2_20220824T20170_20220824T213355_E001  Elegibl Error (Retracker 2). Backscatter Error (Retracker 2). Backscatter Error (Retracker 2). There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and 3 for one or more records  There	CS_OFFL_SIR_LRM_220220824T184905_20220824T191935_E001		
Error (Retracker 2) records  Fror (Retracker 2) records  F	CS_OFFL_SIR_LRM_2_20220824T201242_20220824T201430_E001		
Error (Retracker 2) records  CS_OFFL_SIR_LRM_2_20220824T215156_20220824T215316_E001	CS_OFFL_SIR_LRM_2_20220824T202710_20220824T205958_E001		
Error (Retracker 2) records  CS_OFFL_SIR_LRM_2_20220824T223851_E001  CS_OFFL_SIR_LRM_2_20220824T22325532_20220824T232215_E001  CS_OFFL_SIR_LRM_2_20220824T232216_20020824T232215_E001  Error (Retracker 2), Backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter error for Retracker 2 for one or more error (Retracker 2), Backscatter error for Retracker 2 for one or more error for Retracker 2). Backscatter error for Retracker 2 for one or more error for Retracker 2 for for Retracker 2 for for Retracker	CS_OFFL_SIR_LRM_220220824T211755_20220824T213355_E001		, ,
CS_OFFL_SIR_LRM_2_20220824T22365_20220824T232215_E001  CS_OFFL_SIR_LRM_2_20220824T225632_20220824T232215_E001  CS_OFFL_SIR_LRM_2_20220824T232218_20220824T232943_E001  CS_OFFL_SIR_LRM_2_20220824T232248_20220824T232943_E001  CS_OFFL_SIR_LRM_2_20220824T232943_2001  CS_OFFL_SIR_LRM_2_20220824T232243_20220824T233024_E001  CS_OFFL_SIR_LRM_2_20220824T232243_20220824T233024_E001  CS_OFFL_SIR_LRM_2_20220824T232243_20220824T233024_E001  CS_OFFL_SIR_LRM_2_20220824T234220_20220824T234759_E001  CS_OFFL_SIR_LRM_2_20220824T23420_20220824T2345643_E001  CS_OFFL_SIR_LRM_2_20220824T03255_20220824T0345643_E001  CS_OFFL_SIR_LRM_2_20220824T002525_20220824T03107_E001  Backscatter Fror (Retracker 2), Backscatter Error (Retracker 3), Backscatter Fror (Retracker 3)  CS_OFFL_SIR_SAR_2_20220824T003124_20220824T003236_E001  CS_OFFL_SIR_SAR_2_20220824T003124_20220824T003236_E001  Backscatter Fror (Retracker 3)  Backscatter Fror (Retracker 3)  CS_OFFL_SIR_SAR_2_20220824T003124_20220824T004721_E001  Backscatter Fror (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T004718_20220824T00455_E001  Backscatter Fror (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T004718_20220824T004721_E001  Backscatter Fror (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T004718_20220824T00455_E001  Backscatter Fror (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T010854_20220824T00455_E001  Backscatter Fror (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T010854_20220824T00455_E001  Backscatter Fror (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T010854_2020824T010845_E001  Backscatter Fror (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T010854_2020824T012547_E001	CS_OFFL_SIR_LRM_220220824T215156_20220824T215316_E001		
Error (Retracker 2)  CS_OFFL_SIR_LRM_2_20220824T232218_20220824T232943_E001  Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), B	CS_OFFL_SIR_LRM_220220824T220345_20220824T223851_E001	(Retracker 3), Backscatter Error	
Error (Retracker 2)  CS_OFFL_SIR_LRM_2_20220824T232943_20220824T233024_E001  Error (Retracker 2) Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  CS_OFFL_SIR_SAR_2_20220824T003124_20220824T003236_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T004718_20220824T004721_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  Error (Retracker 2), Backscatter Error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T010854_20220824T010945_E001  Backscatter Error (Retracker 2), Backscatter Error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T012051_20220824T012547_E001  Backscatter Error (Retracker 2), Backscatter Error for Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more records  Error (Retracker 2), Backscatter Error (Retracker	CS_OFFL_SIR_LRM_220220824T225632_20220824T232215_E001		
Error (Retracker 2) records  CS_OFFL_SIR_LRM_2_20220824T234220_20220824T234759_E001	CS_OFFL_SIR_LRM_220220824T232218_20220824T232943_E001		
CS_OFFL_SIR_LRM_2_20220824T234220_20220824T234759_E001  (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3) for neo or more records  CS_OFFL_SIR_LRM_2_20220824T234820_20220824T235643_E001  Height Error (Retracker 2), Backscatter Error (	CS_OFFL_SIR_LRM_2_20220824T232943_20220824T233024_E001		
Error (Retracker 2)  CS_OFFL_SIR_SAR_2_20220824T002525_20220824T003107_E001  Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T003124_20220824T003236_E001  Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T004718_20220824T004721_E001  Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T004718_20220824T004721_E001  Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T010854_20220824T010945_E001  Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T010854_20220824T010945_E001  Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T012051_20220824T012547_E001  Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T012051_20220824T012547_E001  Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T012051_20220824T012547_E001  Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T012051_20220824T012547_E001  Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_LRM_220220824T234220_20220824T234759_E001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_SAR_2_20220824T003124_20220824T003236_E001  Backscatter Error (Retracker 2), Backscatte	CS_OFFL_SIR_LRM_220220824T234820_20220824T235643_E001		
Backscatter Error (Retracker 3)  CS_OFFL_SIR_SAR_2_20220824T004718_20220824T004721_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  CS_OFFL_SIR_SAR_2_20220824T012051_20220824T012547_E001  Backscatter Error (Retracker 2), Backscatter Error (R	CS_OFFL_SIR_SAR_2_20220824T002525_20220824T003107_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 3)  CS_OFFL_SIR_SAR_2_20220824T010854_20220824T010945_E001  Backscatter Error (Retracker 2), Backscatte	CS_OFFL_SIR_SAR_2_20220824T003124_20220824T003236_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T012051_20220824T012547_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SAR_2_20220824T012547_20220824T012547_E001  Backscatter Error (Retracker 2), Backscatte	CS_OFFL_SIR_SAR_2_20220824T004718_20220824T004721_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 3)  Backscatter Error (Retracker 3)  Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2),  There is a backscatter error for Petracker 2 and 3 for one or more records.	CS_OFFL_SIR_SAR_2_20220824T010854_20220824T010945_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
	CS_OFFL_SIR_SAR_2_20220824T012051_20220824T012547_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
	CS_OFFL_SIR_SAR_2_20220824T012547_20220824T012612_E001		There is a backscatter error for Retracker 2 and 3 for one or more records

CS OFFL SIR SAR 2 20220824T020117 20220824T020225 E001	Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS OFFL SIR SAR 2 20220824T020440 20220824T021135 E001	Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2),	
CS_UPPL_SIK_SAK_Z_202200241020440_202200241021135_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T023219_20220824T023358_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T024731_20220824T024858_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T030351_20220824T030355_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T033821_20220824T033841_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T034305_20220824T034827_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T034900_20220824T035001_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T040317_20220824T040502_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T042551_20220824T042853_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T044033_20220824T044222_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T052127_20220824T052840_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T052840_20220824T053116_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T060545_20220824T060735_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T061922_20220824T062149_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T065850_20220824T070626_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T070651_20220824T070723_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T071655_20220824T071747_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220824T073551_20220824T074059_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T074509_20220824T074750_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T075808_20220824T080237_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T083814_20220824T084438_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T084438_20220824T084629_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T084640_20220824T084703_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T084951_20220824T085320_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T085608_20220824T085747_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T085749_20220824T085927_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T092301_20220824T092710_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T093652_20220824T094049_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T101618_20220824T102541_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T102807_20220824T103821_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T110132_20220824T110742_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T111812_20220824T112032_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T115626_20220824T115716_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_2_20220824T115811_20220824T120345_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T122719_20220824T122804_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T124125_20220824T124726_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220824T125839_20220824T125928_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220824T131423_20220824T131624_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220824T133559_20220824T134241_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T142426_20220824T142429_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T143750_20220824T143901_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T145327_20220824T150142_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T151550_20220824T152203_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T152427_20220824T152445_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T152628_20220824T152723_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T160257_20220824T160446_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T161710_20220824T161854_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T165317_20220824T165543_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T165601_20220824T165701_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T165730_20220824T170151_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T174204_20220824T174424_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T175600_20220824T175805_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T183556_20220824T184404_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T191935_20220824T192420_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T193458_20220824T193715_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T194125_20220824T194601_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T200159_20220824T200239_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T200842_20220824T201141_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T201524_20220824T202311_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T205958_20220824T210349_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T211345_20220824T211755_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T214231_20220824T214337_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T214555_20220824T214716_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T214716_20220824T215156_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T215316_20220824T215439_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T215538_20220824T220345_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T223851_20220824T224104_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_2_20220824T225234_20220824T225632_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220824T232215_20220824T232218_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220824T233500_20220824T234220_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T234759_20220824T234820_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220824T235643_20220825T000124_E001	Backscatter Error (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_220220824T001937_20220824T002101_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220824T002427_20220824T002525_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220824T003107_20220824T003123_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220824T010946_20220824T011127_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220824T011705_20220824T011711_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220824T011839_20220824T012051_E001	Backscatter Error (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_220220824T015816_20220824T020117_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220824T020225_20220824T020440_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220824T024859_20220824T025045_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_220220824T025620_20220824T025626_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220824T025729_20220824T030351_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220824T032609_20220824T032731_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20220824T033909_20220824T034305_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220824T034827_20220824T034859_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_220220824T035933_20220824T040317_E001	SARIn X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_2_20220824T042853_20220824T043126_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_220220824T043503_20220824T043510_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220824T043835_20220824T044032_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220824T051007_20220824T052127_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220824T053950_20220824T054112_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_220220824T060735_20220824T060909_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220824T061418_20220824T061425_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220824T061753_20220824T061922_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220824T065506_20220824T065710_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220824T065718_20220824T065850_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20220824T070626_20220824T070651_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220824T074750_20220824T074910_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_220220824T075452_20220824T075529_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records

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Backwaller Sin (Piercule S)  Backwaller Sin (	CS_OFFL_SIR_SIN_2_20220824T075654_20220824T075808_E001	Backscatter Error (Retracker 3), SARIn X-	
G. OFF. Bit Bit 9. 200204170341 (200004704098 EXCIL.  CO. OFF. Bit Bit 9. 2 00004470341 (200004704098 EXCIL.  CO. OFF. Bit Bit 9. 2 00004470341 (200004704098 EXCIL.  CO. OFF. Bit Bit 9. 2 00004470341 (200004704098 EXCIL.  CO. OFF. Bit Bit 9. 2 00004470341 (200004704098 EXCIL.  CO. OFF. Bit Bit 9. 2 00004470341 (200004704098 EXCIL.  CO. OFF. Bit Bit 9. 2 00004470341 (200004704098 EXCIL.  CO. OFF. Bit Bit 9. 2 00004470341 (200004704098 EXCIL.  CO. OFF. Bit Bit 9. 2 00004470341 (200004704098 EXCIL.  CO. OFF. Bit Bit 9. 2 00004470341 (200004704098 EXCIL.  CO. OFF. Bit Bit 9. 2 00004470341 (200004704098 EXCIL.  CO. OFF. Bit Bit 9. 2 00004470341 (200004704098 EXCIL.  CO. OFF. Bit Bit 9. 2 00004470341 (200004704098 EXCIL.  CO. OFF. Bit Bit 9. 2 00004470341 (200004704098 EXCIL.  CO. OFF. Bit 8.	CS_OFFL_SIR_SIN_220220824T083440_20220824T083658_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
South Set Sin 2 - 2020004793211   3020004793035 Edit   Set Sin	CS_OFFL_SIR_SIN_220220824T083713_20220824T083739_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CG OFF, SR SR 12, 200006110011 (200006110000 p00006110000 p00006110000 p00006110000 p00006110000 p00006110000 p00006110000 p00006110000 p000061110000 p0000611100000 p00006111000000 p000061110000000000	CS_OFFL_SIR_SIN_2_20220824T084841_20220824T084938_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_CPFL_SRIS_SIL_2_202004111074_2020042111021 E011  Backscame Errir (Francisca 2), Buffelow Call Supplementary Committed 2, Supplementary Call Sup	CS_OFFL_SIR_SIN_220220824T092711_20220824T092836_E001	Backscatter Error (Retracker 3), SARIn X-	
GS, OFFE, SRIS, SRIS, 22.00006471197942, 20000640711901, ESP11  CRIS, OFFE, SRIS, SRIS, 22.00006471197942, 20000640711901, ESP11  CRIS, OFFE, SRIS, SRIS, 22.0000647119794, 2000064711901, ESP11  CRIS, OFFE, SRIS, SRIS, 22.00006471190794, 2000064711901, ESP11  CRIS, OFFE, SRIS, SRIS, 22.00006471190794, 20000647119000, ESP11  CRIS, OFFE, SRIS, SRIS, 22.00006471190794, 20000647119000, ESP11  CRIS, OFFE, SRIS, SRIS, 22.00006471190794, 20000647119000, ESP11  CRIS, OFFE, SRIS, SRIS, 22.0000647119000, ESP11  CRIS, OFFE, SRIS, SRI	CS_OFFL_SIR_SIN_2_20220824T093347_20220824T093652_E001	Backscatter Error (Retracker 3), SARIn X-	
CB_CPF_BR_SR_2_2000004111900_00000411901_E01  Selections Fire (Rescale 2), SARTH, Committed 111000_00000411901_E01  CB_CPF_BR_SR_2_200000411901_E01  Selections Fire (Rescale 2), SARTH, Committed 111000_00004119000_E01  CB_CPF_BR_SR_2_200000411901_200004119000_E01  Selections Fire (Rescale 2), SARTH, Committed 1110000_E01  SARTH, SARTH, 2000004110000_E01  SARTH, SARTH, 2000004110000004110000_E01  SARTH, SARTH, 2000004110000004110000_E01  SARTH, SARTH, 200000411000000411000000411000000411000000	CS_OFFL_SIR_SIN_2_20220824T110742_20220824T111021_E001	Backscatter Error (Retracker 3), SARIn X-	
Les OPFL_BIR_SN_2_recorded*119218_cocceptate* from (Petroleck 2). Selection from Committee of the Soften medium of the Debug Stage of the Soften medium of the Soften medium of the Soften medium of the one of more records and Angle Error.  Soften Stage	CS_OFFL_SIR_SIN_220220824T111250_20220824T111812_E001	Backscatter Error (Retracker 3), SARIn X-	
So. OFFL. SR. SR. 2. 2022864T1024F2 (2022864T126000_E001  So. OFFL. SR. SR. 2. 2022864T126001_E001  So. OFFL. SR. SR. 2. 2022864T126002_E001  So. OFFL. SR. SR. 2. 2022864T126007_E001  So. OFFL. SR.	CS_OFFL_SIR_SIN_220220824T115716_20220824T115811_E001	Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model	detected for SARIn mode, and no DEM or Slope Model was used for the
Sansanter Error (Fettenana 3), SARIEN X end	CS_OFFL_SIR_SIN_220220824T120345_20220824T120713_E001	Backscatter Error (Retracker 3), SARIn X- track Angle Error	
Spiff_SR_SR_2_20208241123109_20208241123000_E001  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for one or more records  An ambiguous angle was delected for SARIn mode for o	CS_OFFL_SIR_SIN_2_20220824T120717_20220824T120806_E001	Backscatter Error (Retracker 3), SARIn X-	
SAPIN X Track Angle Error  An ambiguous angle was defected for SAPIN mode for one or more records  SAPIN X Track Angle Error  An ambiguous angle was defected for SAPIN mode for one or more records  SAPIN X Track Angle Error  SAPIN X Trac	CS_OFFL_SIR_SIN_2_20220824T124727_20220824T125002_E001	Backscatter Error (Retracker 3), SARIn X-	
CS_OFFL_SIR_SIN_2_2020824T132542_2020824T132807_E001  Sabscardter Error (Retracker 2) Sabscardter Error (Retracker 2) Sabscardter Error (Retracker 2) Sabscardter Error (Retracker 3) SARITA There is a backscardter error for Retracker 2 and 3 and an ambiguous angle was decided for SARIT mode for one or more records  CS_OFFL_SIR_SIN_2_2020824T132807_2020824T134752_E001  Sabscardter Error (Retracker 3) SARITA There is a backscardter error for Retracker 2 and 3 and an ambiguous angle was decided for SARIT mode for one or more records  Sabscardter Error (Retracker 3) SARITA There is a backscardter error for Retracker 2 and 3 and an ambiguous angle was decided for SARIT mode for one or more records  SARITA There is a backscardter error for Retracker 2 and 3 and an ambiguous angle was decided for SARIT mode for one or more records  Sabscardter Error (Retracker 2) SARITA There is a backscardter error for Retracker 2 and 3 and an ambiguous angle was decided for SARIT mode for one or more records  SARITA There is a backscardter error for Retracker 2 and 3 and an ambiguous angle was decided for SARIT mode for one or more records  Sabscardter Error (Retracker 2) SARITA There is a backscardter error for Retracker 2 and 3 and an ambiguous angle was decided for SARIT mode for one or more records  SARITA There is a backscardter error for Retracker 2 and 3 for one or more records  There is a backscardter error for Retracker 2 and 3 for one or more records  SARITA There is a backscardter error for Retracker 2 and 3 for one or more records  There is a backscardter error for Retracker 2 and 3 for one or more records  SARITA There is a backscardter error for Retracker 2 and 3 for one or more records  SARITA There is a backscardter error for Retracker 2 and 3 and an ambiguous angle was decided for SARIT mode for one or more records  There is a backscardter error for Retracker 2 and 3 for one or more records  SARITA There is a backscardter error for Retracker 2 and 3 for one or more records  SARITA There is a backscardter error for Re	CS_OFFL_SIR_SIN_2_20220824T125159_20220824T125206_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
Backcaster Error (Petracker 2), SARIN X.  There is a backcaster error for Retracker 2 and 3 and an ambiguous angle was detected for SARII mode. For one or more records  Backcaster Error (Retracker 3), SARII X.  There is a backcaster error for Retracker 2 and 3, an ambiguous angle was detected for SARII mode. To rive error or retracker 2 and 3 and an ambiguous angle was detected for SARII mode. To rive error for Retracker 2 and 3 and an ambiguous angle was detected for SARII mode. To rive error for Retracker 2 and 3 and an ambiguous angle was detected for SARII mode. To rive error for Retracker 2 and 3 and an ambiguous angle was detected for SARII mode. To rive error for Retracker 2 and 3 and an ambiguous angle was detected for SARII mode for one or more records.  CS_OFFL_SIR_SIN_2_20220824T142430_20220824T14245_E001  Backcaster Error (Retracker 3), SARII X.  Backcaster Error (Retracker 2), Backcaster Error (R	CS_OFFL_SIR_SIN_2_20220824T125207_20220824T125325_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
SOFFL SIR, SIN 2_20220824T134527_20220824T134752_E01  Sackscattler Fror (Retracker 2). Backscattler Fror (Retracker 2). Backscattler Fror (Retracker 3). SARIN X track Angle Error  Soft Soft Sir Sin 2_20220824T134527_20220824T134752_E01  Sackscattler Fror (Retracker 2). Backscattler Error (Retracker 3). SARIN X track Angle Error  Soft Soft Sir Sin 2_20220824T142017_20220824T14219_E011  Soft Soft Sir Sin 2_20220824T142017_20220824T14245_E011  Soft Soft Sir Sin 2_20220824T14223_E0220824T14245_E011  Soft Soft Sir Sin 2_20220824T14243_E0220824T14245_E011  Soft Soft Sir Sin 2_20220824T14243_E0220824T14245_E011  Soft Soft Sir Sin 2_20220824T14243_E0220824T14245_E011  Soft Soft Sir Sin 2_20220824T14243_E011  Soft Soft Sir Sin 2_20220824T14243_E0220824T14253_E011  Soft Soft Sir Sin 2_20220824T14253_E0220824T14253_E011  Soft Soft Sir Sin 2_20220824T14254_E022020824T14253_E011  Soft Soft Sir Sin 2_20220824T14254_E0120824T15254_E011  Soft Soft Sir Sin 2_20220824T15254_E011  Soft Soft Sir Sin 2_20220824T15234_E011  Soft Soft Sir Sin 2_20220824T15234_E0220824T15252_E011  Soft Soft Sir Sin 2_20220824T15233_E0220824T15252_E011  Soft Soft Sir Sin 2_20220824T15233_E0220824T15253_E011  Soft Soft Sir Sin 2_20220824T15233_E0220824T15253_E011  Soft Soft Sir Sin 2_20220824T15233_E0211  Soft Soft Sir Sin Sin 2_20220824T15233_E011  Soft Soft Sir Sin Sin 2_20220824T15233_E011  Soft Soft Sir Sin Sin 2_20220824T15233_E011  Soft Soft S	CS_OFFL_SIR_SIN_2_20220824T125702_20220824T125839_E001	Backscatter Error (Retracker 3), SARIn X-	
GS_OFFL_SIR_SIN_2_20220824T142017_20220824T14219_E001  Backscatter Fror (Fertacker 2). Backscatter Fror (Fertacker 3). Backscatter Fror (Fertacker 3). Backscatter Fror (Fertacker 2). Backscatter Fror (Fertacker 3). Backscatter Fror (Fertacker 2). Backsca	CS_OFFL_SIR_SIN_220220824T132546_20220824T132907_E001	Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	detected for SARIn mode, and no DEM or Slope Model was used for the
SQ.OFFL_SIR_SIN_2_20220824T142217_20220824T142245_E001  Backscatter Error (Retracker 2). Backscatter Error (Retracker 3). SARII x. There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARII mode for one or more records  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 3). Backscatter Error (Retracker 2). Backscatter Error (Retracker 3). Backsc	CS_OFFL_SIR_SIN_220220824T134527_20220824T134752_E001	Backscatter Error (Retracker 3), SARIn X- track Angle Error	
Backscatter Error (Retracker 3).  CS_OFFL_SIR_SIN_2_20220824T142829_20220824T142852_E001  Backscatter Error (Retracker 3). SARIN VacA Angle Error  Backscatter Error (Retracker 3). SARIN VacA Angle Error Stracker 2). Sackscatter Error (Retracker 2). Sackscatt	CS_OFFL_SIR_SIN_220220824T142017_20220824T142119_E001	Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model	detected for SARIn mode, and no DEM or Slope Model was used for the
S. OFFL SIR_SIN_2_20220824T14269_20220824T142821_E001  Sackscatter Fror (Retracker 3), SARIN X track Angle Error  Backscatter Fror (Retracker 3), SARIN X track Angle Error  Sackscatter Fror (Retracker 3), SARIN X trac	CS_OFFL_SIR_SIN_220220824T142230_20220824T142425_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 3), SARIn X, Intere is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X, track Angle Error (Retracker 3), SARIN	CS_OFFL_SIR_SIN_220220824T142429_20220824T142652_E001	Backscatter Error (Retracker 3), SARIn X-	
Backscatter Error (Retracker 3), SARIN X-track Angle Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN X-track Angle Error, Surface model unavailable  CS_OFFL_SIR_SIN_2_20220824T152313_20220824T152426_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN X-track Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN X-track Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN X-track Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN X-track Angle Error SARIN mode for one or more records  CS_OFFL_SIR_SIN_2_20220824T160854_20220824T160900_E001  SARIN X-track Angle Error  An ambiguous angle was detected for SARIN mode and no DEM or Stope was detected for SARIN mode and no DEM or Stope was detected for SARIN mode and no DEM or Stope was detected for SARIN mode	CS_OFFL_SIR_SIN_220220824T142653_20220824T142821_E001	Backscatter Error (Retracker 3), SARIn X-	
Sackscatter Error (Retracker 3), SARIN There is a backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SIN_2_20220824T152345_20220824T15242E_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN track Angle Error, Surface model unavailable  CS_OFFL_SIR_SIN_2_20220824T152445_20220824T152628_E001  CS_OFFL_SIR_SIN_2_20220824T152734_20220824T152742_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN track Angle Error, Surface model unavailable  CS_OFFL_SIR_SIN_2_20220824T152734_20220824T152742_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN track Angle Error, Surface model unavailable  CS_OFFL_SIR_SIN_2_20220824T153000_20220824T153123_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more records  CS_OFFL_SIR_SIN_2_20220824T153000_20220824T153123_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  Backscatter Error (Retracker 3), Backscatter Error (Retracker 3)  Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), SARIN X track Angle Error  CS_OFFL_SIR_SIN_2_20220824T160954_20220824T160900_E001  SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20220824T164329_20220824T164848_E001  SARIN X-track Angle Error, Surface  An ambiguous angle was detected for SARIn mode and no DEM or Slope	CS_OFFL_SIR_SIN_220220824T143604_20220824T143750_E001	Backscatter Error (Retracker 3), SARIn X-	
Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2). Backscatter Error (Retracker 3). SARIN X-track Angle Error  Backscatter Error (Retracker 2). Backscatter Error (Retracker 2). Backscatter Error (Retracker 3). SARIN X-track Angle Error  There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records  There is a backscatter error for Retracker 2 and 3 for one or more records  There is a backscatter error for Retracker 2 and 3 for one or more records  Backscatter Error (Retracker 2). Backscatter Error (Retracker 3). Backscatter E	CS_OFFL_SIR_SIN_220220824T152204_20220824T152310_E001	Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model	detected for SARIn mode, and no DEM or Slope Model was used for the
CS_OFFL_SIR_SIN_2_20220824T152445_20220824T152628_E001  Backscatter Error (Retracker 3), SARIn X-track Angle Error, Surface model unavailable  CS_OFFL_SIR_SIN_2_20220824T152734_20220824T152742_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  CS_OFFL_SIR_SIN_2_20220824T153000_20220824T153123_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  Backscatter Error (Retracker 3)  CS_OFFL_SIR_SIN_2_20220824T153835_20220824T153838_E001  Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2)  Backscatter Error (Retracker 2)  Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2)  Backscatter Error (Retracker 2)  Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2)  Backscatter Error (Retracker 2)  Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2)  Backscatter Error (Retracker 2)  Backscatter Error (Retracker 3)  Backscatter Error (	CS_OFFL_SIR_SIN_220220824T152313_20220824T152426_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 3)  CS_OFFL_SIR_SIN_2_20220824T153000_20220824T153123_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  CS_OFFL_SIR_SIN_2_20220824T153835_20220824T153838_E001  CS_OFFL_SIR_SIN_2_20220824T160446_20220824T160638_E001  CS_OFFL_SIR_SIN_2_20220824T160446_20220824T160900_E001  SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  CS_OFFL_SIR_SIN_2_20220824T161501_20220824T161710_E001  CS_OFFL_SIR_SIN_2_20220824T161501_20220824T161710_E001  SARIN X-track Angle Error  SARIN X-track Angle Error, Surface  SARIN X-track Angle Error, Surface  An ambiguous angle was detected for SARIn mode and no DEM or Slope	CS_OFFL_SIR_SIN_220220824T152445_20220824T152628_E001	Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model	detected for SARIn mode, and no DEM or Slope Model was used for the
Backscatter Error (Retracker 3)  Backscatter Error (Retracker 3)  Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20220824T160446_20220824T160638_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  CS_OFFL_SIR_SIN_2_20220824T161501_20220824T161710_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  CS_OFFL_SIR_SIN_2_20220824T161501_20220824T161710_E001  SARIN X-track Angle Error, Surface  SARIN X-track Angle Error, Surface  An ambiguous angle was detected for SARIn mode and no DEM or Slope	CS_OFFL_SIR_SIN_220220824T152734_20220824T152742_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 3)  Backscatter Error (Retracker 3)  Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2)  Backscatter Error (Retracker 2)  Backscatter Error (Retracker 3)  SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  CS_OFFL_SIR_SIN_2_20220824T161501_20220824T161710_E001  Backscatter Error (Retracker 2)  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  There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records  SARIN X-track Angle Error  SARIN X-track Angle Error, Surface  An ambiguous angle was detected for SARIn mode and no DEM or Slope	CS_OFFL_SIR_SIN_220220824T153000_20220824T153123_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20220824T160446_20220824T160638_E001  Backscatter Error (Retracker 3), SARIn X-track Angle Error  SARIn X-track Angle Error  SARIn X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records  CS_OFFL_SIR_SIN_2_20220824T161501_20220824T161710_E001  Backscatter Error (Retracker 2), SARIn X-track Angle Error  Backscatter Error (Retracker 2), SARIn X-track Angle Error  SARIn X-track Angle Error  SARIn X-track Angle Error  SARIn X-track Angle Error (Retracker 3), SARIn X-track Angle Error  SARIn X-track Angle Error, Surface  SARIn X-track Angle Error, Surface  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one or more records  SARIn X-track Angle Error, Surface  SARIn X-track Angle Error, Surface	CS_OFFL_SIR_SIN_220220824T153835_20220824T153838_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20220824T161501_20220824T161710_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error  SARIn X-track Angle Error, Surface  An ambiguous angle was detected for SARIn mode and no DEM or Slope	CS_OFFL_SIR_SIN_220220824T160446_20220824T160638_E001	Backscatter Error (Retracker 3), SARIn X-	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220824T161501_20220824T161710_E001  Backscatter Error (Retracker 3), SARIn X- track Angle Error  Backscatter Error (Retracker 3), SARIn X- was detected for SARIn mode for one or more records  CS_OFFL_SIR_SIN_2_20220824T164329_20220824T164648_E001  SARIn X-track Angle Error, Surface  An ambiguous angle was detected for SARIn mode and no DEM or Slope	CS_OFFL_SIR_SIN_220220824T160854_20220824T160900_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
	CS_OFFL_SIR_SIN_220220824T161501_20220824T161710_E001	Backscatter Error (Retracker 3), SARIn X-	
	CS_OFFL_SIR_SIN_2_20220824T164329_20220824T164648_E001		

CS_OFFL_SIR_SIN_220220824T165544_20220824T165601_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_220220824T165701_20220824T165730_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220824T170151_20220824T170624_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_220220824T174424_20220824T174603_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220824T174722_20220824T174850_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220824T175305_20220824T175600_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_220220824T184404_20220824T184905_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220824T192420_20220824T192802_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_220220824T193343_20220824T193458_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_220220824T200239_20220824T200442_E001	Backscatter Error (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_220220824T201150_20220824T201242_E001	Backscatter Error (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_220220824T201430_20220824T201524_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220824T202311_20220824T202440_E001	Backscatter Error (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_220220824T202519_20220824T202710_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_220220824T210349_20220824T210707_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_220220824T211219_20220824T211345_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_220220824T213355_20220824T213712_E001	Backscatter Error (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_220220824T214447_20220824T214509_E001	Backscatter Error (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_220220824T215439_20220824T215538_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220824T224104_20220824T224455_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_220220824T225127_20220824T225234_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220824T233024_20220824T233214_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_220220824T233345_20220824T233500_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