

# **QA4EO Daily Report for OFFLINE data:**

## <u>14/08/2022</u>

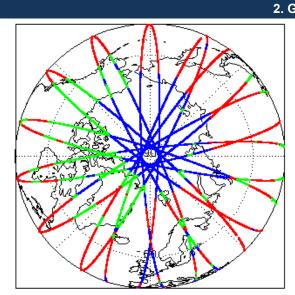
# IDEAS-QA4E0

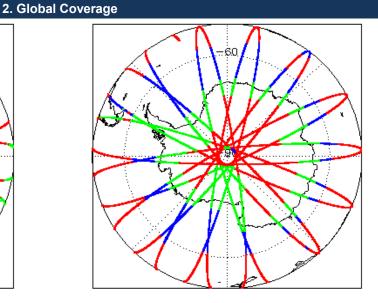
See Section 6.1, 6.2 and 6.3

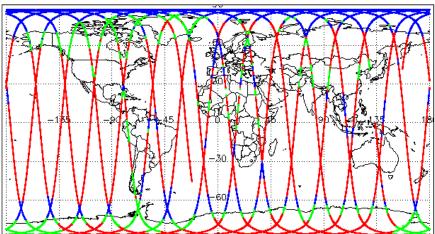
		1. Overview	
		Check	Status
Report Production Date:	14-Sep-2022	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal
		Product Software Check	Nominal
Dete Head	L1B and L2 OFFLINE Data	Product Format Check	Nominal
Data Used:		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

Mission / Instrument News		
13-Aug-2022	None	
14-Aug-2022	None	
15-Aug-2022	Nothing planned	

QCC Errors/ Warnings

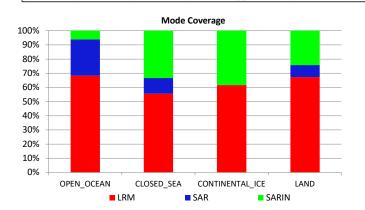


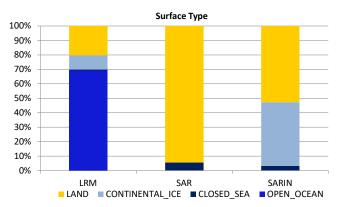




Mode Coverage (%)

LRM	67.2
SAR	19.3
SARIn	13.5





## 3. Instrument Configuration

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

SIRAL - A

SIRAL instrument(s) in use:

4. Level 1B Data Quality Check

### 4.1 L1B Product Format Check

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

Number of products with errors:

### 4.2 L1B Product Header Analysis

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

#### 4.3 Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing. 0

Number of products with errors:

## 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.

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#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20220814T004159_20220814T005643_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T010125_20220814T010240_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T010242_20220814T010336_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T010421_20220814T011819_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T013621_20220814T014944_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T015158_20220814T015315_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T015353_20220814T020906_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T022117_20220814T022827_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T023123_20220814T023950_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T023953_20220814T024010_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T024012_20220814T024145_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T031945_20220814T032619_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T033048_20220814T033103_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T033106_20220814T033537_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T033821_20220814T034408_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T035920_20220814T035950_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T035958_20220814T040349_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T040353_20220814T040543_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T040545_20220814T040548_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T040552_20220814T040616_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T040618_20220814T040718_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T040720_20220814T040734_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T040739_20220814T040746_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T040748_20220814T040804_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T040806_20220814T040842_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T041242_20220814T041335_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T045205_20220814T051926_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T051929_20220814T051931_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T052137_20220814T052531_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T054238_20220814T054720_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T054855_20220814T054859_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T062355_20220814T062721_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T071847_20220814T072403_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T072436_20220814T072641_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T072644_20220814T072646_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T072649_20220814T072730_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T072733_20220814T074649_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T075829_20220814T080626_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T081211_20220814T084339_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T085834_20220814T085915_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T090215_20220814T090516_E001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20220814T090527_20220814T090628_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T091200_20220814T091342_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T091527_20220814T091815_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T091857_20220814T092155_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T101415_20220814T102549_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T104503_20220814T104646_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T104714_20220814T104819_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T104822_20220814T105217_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T105417_20220814T110022_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T112952_20220814T115910_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T120002_20220814T120600_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T125932_20220814T130127_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T131232_20220814T132524_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T132526_20220814T132531_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T133919_20220814T134527_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T135826_20220814T141432_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T141720_20220814T142618_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T143807_20220814T144046_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T151110_20220814T151658_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T151704_20220814T152529_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T153711_20220814T153926_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T154049_20220814T154402_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T154404_20220814T154639_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T154923_20220814T161205_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T161559_20220814T162443_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T162800_20220814T165155_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T165641_20220814T170051_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T170214_20220814T170258_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T171545_20220814T171636_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T171758_20220814T172339_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T172400_20220814T175137_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T180730_20220814T183233_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T183235_20220814T183339_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T183341_20220814T183426_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T183428_20220814T183556_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T183608_20220814T183905_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T183905_20220814T184519_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T195419_20220814T200144_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T200340_20220814T200836_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T200942_20220814T201031_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T201258_20220814T201354_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T201530_20220814T201642_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T201642_20220814T201847_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T202113_20220814T202145_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T212755_20220814T214256_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T214418_20220814T214743_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T214926_20220814T215207_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T215421_20220814T215602_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T221324_20220814T222443_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T222729_20220814T224826_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T235219_20220814T235530_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T235533_20220814T235608_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220814T235610_20220815T000011_E001	Loss of echo	The tracking echo is missing for one or more records

## 4.5 L1B Calibration Usage Check

Each product is checked in order to ensure that the necessary calibration files have been used in processing.
Number of products with errors:
0

## 4.6 L1B Auxilary Data File Usage Check

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

 Number of products with errors:
 0

### 4.7 L1B Auxiliary Correction Error Check

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

Number of products with errors:

#### 4.8 L1B Measurement Confidence Data Check

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

3

0

90

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.

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20220814T022117_20220814T022827_E001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20220814T024012_20220814T024145_E001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20220814T180730_20220814T183233_E001	IE cho error I RK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

## 5. Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

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

Number of products with errors:

#### 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.

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### 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_LRM_220220814T130332_20220814T130632_E001	Slope model	There is an error with the Slope Model for one or more records
CS_OFFL_SIR_SAR_220220814T005643_20220814T010124_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T010336_20220814T010421_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T011820_20220814T011910_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T012604_20220814T012610_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T012617_20220814T012623_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T013017_20220814T013620_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T014944_20220814T015158_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T015315_20220814T015352_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T020906_20220814T020909_E001	Snow depth model	There is an error with 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_20220814T020941_20220814T021156_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T024146_20220814T024325_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T025710_20220814T025826_E001	Snow depth model	There is an error with 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_20220814T030516_20220814T030522_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T033700_20220814T033820_E001	Snow depth model	There is an error with 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_20220814T041336_20220814T041500_E001	Snow depth model	There is an error with 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_20220814T043529_20220814T043732_E001	Snow depth model	There is an error with 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_20220814T044951_20220814T045204_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T061509_20220814T061702_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T062843_20220814T063108_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T074649_20220814T075018_E001	Snow depth model	There is an error with 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 20220814T075432 20220814T075704 E001 CS\_OFFL\_SIR\_SAR\_2\_\_20220814T080739\_20220814T081210\_E001 CS OFFL SIR SAR 2 20220814T084447 20220814T084541 E001 CS OFFL SIR SAR 2 20220814T085915 20220814T085945 E001 CS\_OFFL\_SIR\_SAR\_2\_20220814T090108\_20220814T090215\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20220814T090747\_20220814T090922\_E001 CS\_OFFL\_SIR\_SAR\_2\_20220814T092156\_20220814T092448\_E001 CS OFFL SIR SAR 2 20220814T093222 20220814T093636 E001 CS OFFL SIR SAR 2 20220814T094620 20220814T095023 E001 CS OFFL SIR SAR 2 20220814T101130 20220814T101415 E001 CS\_OFFL\_SIR\_SAR\_2\_20220814T103310\_20220814T103504\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20220814T103857\_20220814T104503\_E001 CS\_OFFL\_SIR\_SAR\_2\_20220814T104646\_20220814T104713\_E001 CS\_OFFL\_SIR\_SAR\_2\_20220814T110023\_20220814T110210\_E001 CS OFFL SIR SAR 2 20220814T111219 20220814T111636 E001 CS\_OFFL\_SIR\_SAR\_2\_\_20220814T112729\_20220814T112952\_E001 CS\_OFFL\_SIR\_SAR\_2\_20220814T115910\_20220814T120001\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20220814T121708\_20220814T121736\_E001 CS\_OFFL\_SIR\_SAR\_2\_20220814T124954\_20220814T125657\_E001 CS OFFL SIR SAR 2 20220814T130754 20220814T130857 E001 CS\_OFFL\_SIR\_SAR\_2\_\_20220814T131205\_20220814T131232\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20220814T141433\_20220814T141645\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20220814T142618\_20220814T143022\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20220814T143026\_20220814T143058\_E001 CS OFFL SIR SAR 2 20220814T143134 20220814T143156 E001 CS OFFL SIR SAR 2 20220814T144715 20220814T144822 E001 CS\_OFFL\_SIR\_SAR\_2\_20220814T150220\_20220814T150400\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20220814T150643\_20220814T150939\_E001 CS\_OFFL\_SIR\_SAR\_2\_20220814T150939\_20220814T151109\_E001 CS OFFL SIR SAR 2 20220814T153352 20220814T153443 E001 CS OFFL SIR SAR 2 20220814T154639 20220814T154800 E001 CS\_OFFL\_SIR\_SAR\_2\_\_20220814T161205\_20220814T161418\_E001 CS OFFL SIR SAR 2 20220814T162639 20220814T162800 E001 CS\_OFFL\_SIR\_SAR\_2\_\_20220814T175138\_20220814T175356\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20220814T180516\_20220814T180730\_E001 CS\_OFFL\_SIR\_SAR\_2\_20220814T183556\_20220814T183608\_E001 CS OFFL SIR SAR 2 20220814T192930 20220814T193340 E001 CS\_OFFL\_SIR\_SAR\_2\_\_20220814T194440\_20220814T194636\_E001 CS OFFL SIR SAR 2 20220814T195103 20220814T195418 E001 CS\_OFFL\_SIR\_SAR\_2\_\_20220814T201032\_20220814T201257\_E001 CS\_OFFL\_SIR\_SAR\_2\_20220814T201354\_20220814T201504\_E001 CS OFFL SIR SAR 2 20220814T201526 20220814T201529 E001 CS\_OFFL\_SIR\_SAR\_2\_\_20220814T201848\_20220814T201920\_E001 CS OFFL SIR SAR 2 20220814T202044 20220814T202113 E001 CS\_OFFL\_SIR\_SAR\_2\_20220814T202416\_20220814T202418\_E001 CS OFFL SIR SAR 2 20220814T203357 20220814T203439 E001 CS OFFL SIR SAR 2 20220814T210920 20220814T211321 E001 CS\_OFFL\_SIR\_SAR\_2\_\_20220814T212306\_20220814T212754\_E001 CS\_OFFL\_SIR\_SAR\_2\_20220814T215208\_20220814T215357\_E001 CS OFFL SIR SAR 2 20220814T215602 20220814T215624 E001 Snow depth model There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth mode There is an error with the Snow Depth value, where one or more records alls outside of the extent of the current snow depth mode There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth mode There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model There is an 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CS_OFFL_SIR_SAR_220220814T215624_20220814T215907_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T220035_20220814T220121_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T220315_20220814T220422_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T222443_20220814T222728_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T224826_20220814T225040_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T225638_20220814T225645_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T230211_20220814T230556_E001	Snow depth model	There is an error with 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_20220814T233022_20220814T233239_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220814T233951_20220814T234011_E001	Snow depth model	There is an error 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_220220814T012817_20220814T013017_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220814T030655_20220814T031349_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220814T094317_20220814T094620_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220814T111637_20220814T111943_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220814T112219_20220814T112729_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220814T125657_20220814T125931_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220814T143156_20220814T143806_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220814T193340_20220814T193730_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220814T211322_20220814T211636_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220814T225040_20220814T225459_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records

### 5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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

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SARIN X-Track Angle Error: This flag is set when the difference between the computed surface elevation and the DEM is >50 m. The DEM is only available over Greenland and Antarctica and as a result this flag is set for L2 SARIn products in all other locations as expected.

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220220813T235806_20220814T002949_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20220814T004159_20220814T005643_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_220220814T010125_20220814T010240_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20220814T010421_20220814T011819_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_220220814T013621_20220814T014944_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20220814T015158_20220814T015315_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20220814T015353_20220814T020906_E001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20220814T023123_20220814T023950_E001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20220814T024012_20220814T024145_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20220814T024325_20220814T025710_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20220814T031945_20220814T032619_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20220814T033106_20220814T033537_E001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20220814T033821_20220814T034408_E001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20220814T034531_20220814T034736_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

CS OFFL SIR LRM 2 20220814T040552 20220814T040616 E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS OFFL SIR LRM 2 20220814T041501 20220814T043529 E001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220220814T045205_20220814T051926_E001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220220814T055129_20220814T061508_E001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220220814T063109_20220814T070340_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_220220814T071847_20220814T072403_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_220220814T072733_20220814T074649_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_220220814T081211_20220814T084339_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220814T085545_20220814T085801_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_220220814T095023_20220814T101130_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_220220814T101415_20220814T102549_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_220220814T103505_20220814T103857_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_220220814T105417_20220814T110022_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_220220814T110210_20220814T111218_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_220220814T112952_20220814T115910_E001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20220814T120002_20220814T120600_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_220220814T121809_20220814T124954_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_220220814T131232_20220814T132524_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_220220814T132533_20220814T132551_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_220220814T135826_20220814T141432_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_220220814T144823_20220814T150220_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_220220814T150400_20220814T150643_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_220220814T151704_20220814T152529_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220814T153711_20220814T153926_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_220220814T154404_20220814T154639_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_220220814T154923_20220814T161205_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_220220814T162800_20220814T165155_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_220220814T170214_20220814T170258_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_220220814T172400_20220814T175137_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_220220814T180730_20220814T183233_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_220220814T183905_20220814T184519_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_220220814T185925_20220814T192930_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_220220814T194636_20220814T195102_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_220220814T195419_20220814T200144_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

Description         Description         Description           0.00000000000000000000000000000000000	CS_OFFL_SIR_LRM_220220814T202224_20220814T202415_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
International     Internation of the Market Statement in Research       0. CMPL BM UNIT STATEMENT IN CONTRAMINATION DECISION DECISIO		Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 and a height error
International (1)         Internation (1)         Internation (1)         <	CS OFFL SIR LRM 2 20220814T212755 20220814T214256 E001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Image: Instance         Image: Instance           CR, OFT, SRU, MA, Z., 20220411721034, 20201411721041, 2010         Markins 10; Structure 31, Marking 10; Struce 10; Structure 31, Markins 10; Structure 31, Marki		Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Interfactor         Interfactor         Interfactor         Interfactor           CII, OPPL, JRI, LAN, J., 2020RE F7222249, JR2012 INTERCE         Interfactor         Interfactor         Interfactor           CII, OPPL, JRI, LAN, J., 2020RE F7222249, JR202B INTERCE         Interfactor         Interfactor         Interfactor         Interfactor           CII, OPPL, JRI, LAN, J., 2020RE F7222249, JR202B INTERCE         Interfactor         Interfactor         Interfactor         Interfactor           CII, OPPL, JRI, LAN, J., 2020RE F722249, JR202B INTERCE         Interfactor         Interfactor <td< td=""><td></td><td>Height Error (Retracker 2), Height Error</td><td>There is a height and backscatter error for Retracker 2 and a height error</td></td<>		Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 and a height error
Name         Name <th< td=""><td></td><td>(Retracker 2) Height Error (Retracker 2), Height Error</td><td>There is a height and backscatter error for Retracker 2 , a height error for</td></th<>		(Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 , a height error for
Octor (Link L, Aucconni Link L, Aucconni Link Link Link Link Link Link Link L	CS_OFFL_SIR_LRM_2_202208141221324_202208141222443_E001	(Retracker 2), Surface model unavailable	or more records
Bit, Diel, Link,	CS_OFFL_SIR_LRM_220220814T222729_20220814T224826_E001	Error (Retracker 2)	records
Mark (Markaler 2)         Mark (Markaler 2)         Mark (Markaler 2)         Mark (Markaler 2)           C5. OFFL_SR_UPM_2_02209417233810_0220941723580_E00         Hydrit (Free)Restander 2)         Hand is table and backactor end or Relatable 2 for all highly end for Markales 2 and a for one or more results           CS_OFFL_SR_SAR_2_202209147010031_202091471019102_E001         Backaselite For Markales 2.         There is a backaselite error for Relatable 2 and 3 for one or more results           CS_OFFL_SR_SAR_2_202209147010331_20209147101930_20209147101930_E001         Backaselite For Markales 2.         There is a backaselite error for Relatable 2 and 3 for one or more results           CS_OFFL_SR_SAR_2_202209147010331_20209147101930_20209147101930_20209147101930_20209147101930_20209147101930_20209147101930_20209147101930_20209147101930_20209147101930_20209147101930_20209147101930_20209147101930_20209147101930_20209147101930	CS_OFFL_SIR_LRM_220220814T230556_20220814T232508_E001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
Display         Display <t< td=""><td>CS_OFFL_SIR_LRM_220220814T233240_20220814T233818_E001</td><td>Error (Retracker 2)</td><td>records</td></t<>	CS_OFFL_SIR_LRM_220220814T233240_20220814T233818_E001	Error (Retracker 2)	records
City DFR_SR_LINU_2_02200147232519, 202201417232500_E001       (Perbader 3), stackaster Enror       Intel is a backaster enror in Network 2 and a length enror         City, DFR_SR_LINU_2_02200147232510, 2022014700400_E001       E001       Perbader 2), stackaster Enror       Intel is a backaster enror in Network 2 and a length enror         City, DFR_SR_LINU_2_0220014700400_E001       E001       Backaster Enror       Final Action 20, stackaster enror in Network 2, and a length enror         City, DFR_SR_SR_Q_2_02200147001032_E001       Backaster Enror       Final Action 20, stackaster enror in Network 2, and 3 for one or more records         City, DFR_SR_SR_Q_2_02200147001032_E001       Backaster Enror       Final Action 20, stackaster enror for Metasker 2, and 3 for one or more records <td>CS_OFFL_SIR_LRM_220220814T233818_20220814T233902_E001</td> <td>Error (Retracker 2)</td> <td></td>	CS_OFFL_SIR_LRM_220220814T233818_20220814T233902_E001	Error (Retracker 2)	
CS_DFR_SR_LRL2_2020814T02001_E001       [Related # )]       Relational for the standard and the second for the standard fo	CS_OFFL_SIR_LRM_220220814T235219_20220814T235530_E001	(Retracker 3), Backscatter Error (Retracker 2)	
Sp. CPT_SR_SR_2_202281410100182, 202081410101182, E01       Backsteller Enror (Reinsker 2)       There is a backsteller enror for Reinsker 2 and 3 for one or more records         CS_OFT_SR_SR_2_20228141010381_20228141010191_E001       Backsteller Enror (Reinsker 2)       There is a backsteller enror for Reinsker 2 and 3 for one or more records         CS_OFT_SR_SR_2_2022814101180_2022814101190_E001       Backsteller Enror (Reinsker 2)       There is a backsteller enror for Reinsker 2 and 3 for one or more records         CS_OFT_SR_SR_2_2022814101180_2022814101190_E001       Backsteller Enror (Reinsker 2)       There is a backsteller enror for Reinsker 2 and 3 for one or more records         CS_OFT_SR_SR_2_2022814101131_20228141011930_E001       Backsteller Enror (Reinsker 2)       There is a backsteller enror for Reinsker 2 and 3 for one or more records         CS_OFT_SR_SR_2_2022814101031_2022814102000_E001       Backsteller Enror (Reinsker 2)       There is a backsteller enror for Reinsker 2 and 3 for one or more records         CS_OFT_SR_SR_2_2022814102014_2020814102000_E001       Backsteller Enror (Reinsker 2)       There is a backsteller enror for Reinsker 2 and 3 for one or more records         CS_OFT_SR_SR_AR_2_2022814102014_2020814102110_E001       Backsteller Enror (Reinsker 2)       There is a backsteller enror for Reinsker 2 and 3 for one or more records         CS_OFT_SR_SR_AR_2_2022814102014_20208141022104_E001       Backsteller Enror (Reinsker 2)       There is a backsteller enror for Reinsker 2 and 3 for one or more records         CS_OFT_SR_SR_AR_2_2022814102014_20208141022104	CS_OFFL_SIR_LRM_220220814T235610_20220815T000011_E001	(Retracker 3), Backscatter Error	
CD_PFL_SR_SAR_2_S02208141001016_E001         Badescater Error (Retacker 2) badescater Error (Retacker 2) SC_OFFL_SR_SAR_2_S0220814101030_0220814101100_E001         Badescater Error (Retacker 2) badescater	CS_OFFL_SIR_SAR_220220814T003457_20220814T004158_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFF_SIR_SAR_2_20220814T01335_20220814T011910_E001       Backcenter Error (Retractor 2).       There is a backcenter error for Retractor 2 and 3 for one or more records         CS_OFF_SIR_SAR_2_20220814T013017_20220814T015302_E001       Backcenter Error (Retractor 2).       There is a backcenter error for Retractor 2 and 3 for one or more records         CS_OFF_SIR_SAR_2_20220814T015315_20220814T015302_E001       Backcenter Error (Retractor 2).       There is a backcenter error for Retractor 2 and 3 for one or more records         CS_OFF_SIR_SAR_2_20220814T012315_20220814T015302_E001       Backcenter Error (Retractor 2).       There is a backcenter error for Retractor 2 and 3 for one or more records         CS_OFF_SIR_SAR_2_20220814T02000_E001       Backcenter Error (Retractor 2).       There is a backcenter error for Retractor 2 and 3 for one or more records         CS_OFF_SIR_SAR_2_20220814T02004_20220814T022014_E001       Backcenter Error (Retractor 2).       There is a backcenter error for Retractor 2 and 3 for one or more records         CS_OFF_SIR_SAR_2_20220814T022014_2022014_E001       Backcenter Error (Retractor 2).       There is a backcenter error for Retractor 2 and 3 for one or more records         CS_OFF_SIR_SAR_2_20220814T022014_2022014_E001       Backcenter Error (Retractor 2).       There is a backcenter error for Retractor 2 and 3 for one or more records         CS_OFF_SIR_SAR_2_20220814T022014_2020614T022014_E001       Backcenter Error (Retractor 2).       There is a backcenter error for Retractor 2 and 3 for one or more records         CS_OFF_SIR_SAR_2_20220814T035205_E0	CS_OFFL_SIR_SAR_220220814T005643_20220814T010124_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CP_OPF_SIR_SAR_2_0020814101628_2020814101620_E001       Backscatter Error (Retractor 2).       There is a backscatter error for Retractor 2 and 3 for one or more records         CS_OPFL_SIR_SAR_2_00208141015315_02208141015320_E001       Backscatter Error (Retractor 2).       There is a backscatter error for Retractor 2 and 3 for one or more records         CS_OPFL_SIR_SAR_2_00208141015315_02208141015320_E001       Backscatter Error (Retractor 2).       There is a backscatter error for Retractor 2 and 3 for one or more records         CS_OPFL_SIR_SAR_2_0020814102004_002004_E001       Backscatter Error (Retractor 2).       There is a backscatter error for Retractor 2 and 3 for one or more records         CS_OPFL_SIR_SAR_2_0020814102041_002041_002004_E001       Backscatter Error (Retractor 2).       There is a backscatter error for Retractor 2 and 3 for one or more records         CS_OPFL_SIR_SAR_2_00208141021413_0020814102214_E001       Backscatter Error (Retractor 2).       There is a backscatter error for Retractor 2 and 3 for one or more records         CS_OPFL_SIR_SAR_2_00208141021413_0020814102214_E001       Backscatter Error (Retractor 2).       There is a backscatter error for Retractor 2 and 3 for one or more records         CS_OPFL_SIR_SAR_2_00208141025710_0020814102204_0000       Backscatter Error (Retractor 2).       There is a backscatter error for Retractor 2 and 3 for one or more records         CS_OPFL_SIR_SAR_2_00208141025710_00208141026826_E001       Backscatter Error (Retractor 2).       There is a backscatter error for Retractor 2 and 3 for one or more records         CS_OPFL	CS_OFFL_SIR_SAR_220220814T010336_20220814T010421_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFF_SIR_SAR_2_20220814T015315_20220814T015352_2001       Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_20220814T0120066_20220814T020069_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_20220814T020061_20220814T020069_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_20220814T020061_20220814T02016_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_20220814T02014_20220814T022014_E001       Backscatter Error (Retracker 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_20220814T022014_20220814T022116_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_20220814T022014_20220814T02216_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_20220814T025710_2020814T025582_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_20220814T035700_20220814T035802_E001       Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or	CS_OFFL_SIR_SAR_220220814T011820_20220814T011910_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
GS_OFFL_SIR_SAR_2_20220814T02030 H 01033_20220814T020309_E001       Backscatter Error (Retracker 2)       There is a backscatter error for Retracker 2 and 3 for one or more records         GS_OFFL_SIR_SAR_2_20220814T020904_20220814T021156_E001       Backscatter Error (Retracker 2)       There is a backscatter error for Retracker 2 and 3 for one or more records         GS_OFFL_SIR_SAR_2_20220814T0211413_0220814T022166_E001       Backscatter Error (Retracker 2)       There is a backscatter error for Retracker 2 and 3 for one or more records         GS_OFFL_SIR_SAR_2_20220814T021413_0220814T02216_E001       Backscatter Error (Retracker 2)       There is a backscatter error for Retracker 2 and 3 for one or more records         GS_OFFL_SIR_SAR_2_20220814T02214_80220814T02216_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_20220814T02214_80220814T024325_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_20220814T02510_022020814T024325_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_20220814T02511_8020       Backscatter Error (Retracker 2)       Backscatter Error (Retracker 2)       Backscatter Error (Retracker 2)         GS_OFFL_SIR_SAR_2_20220814T035247_20220814T035801_E001       Backscatter Error (Retracker 2)       Backscatter Error (Retracker 2)       Backscatter Error (Retracker 2) <tr< td=""><td>CS_OFFL_SIR_SAR_220220814T013017_20220814T013620_E001</td><td></td><td>There is a backscatter error for Retracker 2 and 3 for one or more records</td></tr<>	CS_OFFL_SIR_SAR_220220814T013017_20220814T013620_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records         Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_20220814T021413_20220814T022114_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_20220814T022114_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_20220814T02214_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_20220814T02214_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_20220814T02214_E0020814T024325_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_20220814T025710_20220814T025826_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_20220814T03570_20220814T035820_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_20220814T035819_E001       Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more recor	CS_OFFL_SIR_SAR_2_20220814T015315_20220814T015352_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
US_OFFL_SIR_SAR_2_0220814T022014_102014102014_E001       Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records         GS_OFFL_SIR_SAR_2_20220814T022014_202014T022014_E001       Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records         GS_OFFL_SIR_SAR_2_20220814T022014_2020814T022014_2020814T022016_E001       Backscatter Error (Retracker 2)       There is a backscatter error for Retracker 2 and 3 for one or more records         GS_OFFL_SIR_SAR_2_20220814T024168_2020814T024325_E001       Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records         GS_OFFL_SIR_SAR_2_20220814T025710_20220814T025826_E001       Backscatter Error (Retracker 2)       There is a backscatter error for Retracker 2 and 3 for one or more records         GS_OFFL_SIR_SAR_2_20220814T035700_20220814T025826_E001       Backscatter Error (Retracker 2)       There is a backscatter error for Retracker 2 and 3 for one or more records         GS_OFFL_SIR_SAR_2_20220814T035801_E001       Backscatter Error (Retracker 2)       There is a backscatter error for Retracker 2 and 3 for one or more records         GS_OFFL_SIR_SAR_2_20220814T035819_2020814T035811_E001       Backscatter Error (Retracker 2)       There is a backscatter error for Retracker 2 and 3 for one or more records         GS_OFFL_SIR_SAR_2_20220814T041308_20220814T041500_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_20220814T020906_20220814T020909_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
DS_OFFL_SIR_SAR_2_202208141022014_202208141022016_E001       Backscatter Error (Retracker 2)       There is a backscatter error for Retracker 2 and 3 for one or more records         GS_OFFL_SIR_SAR_2_202208141022014_202208141024325_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Bac	CS_OFFL_SIR_SAR_2_20220814T020941_20220814T021156_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_2022081410220814102208141022116_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_20220814T025710_20220814T025826_E001       Backscatter Error (Retracker 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_20220814T025710_20220814T025826_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_20220814T035700_20220814T033820_E001       Backscatter Error (Retracker 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_20220814T035247_20220814T035811_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error	CS_OFFL_SIR_SAR_2_20220814T021413_20220814T022014_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
US_OFFL_SIR_SAR_2_202208141024146_20220814102432_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_202208141025710_202208141025826_E001       Backscatter Error (Retracker 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_202208141035700_20220814103580_E001       Backscatter Error (Retracker 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_202208141035819_202208141035811_E001       Backscatter Error (Retracker 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_202208141035819_202208141035919_E001       Backscatter Error (Retracker 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_202208141041336_202208141041500_E001       Backscatter Error (Retracker 3), Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_2022081410433529_202208141041532_E001       Backscatter Error (Retracker 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_202208141043529_202208141045393_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records </td <td>CS_OFFL_SIR_SAR_2_20220814T022014_20220814T022116_E001</td> <td></td> <td>There is a backscatter error for Retracker 2 and 3 for one or more records</td>	CS_OFFL_SIR_SAR_2_20220814T022014_20220814T022116_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_202208141025010_202208141025026_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_20220814T033700_20220814T033820_E001       Backscatter Error (Retracker 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_20220814T035247_20220814T035811_E001       Backscatter Error (Retracker 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_20220814T035819_20220814T035919_E001       Backscatter Error (Retracker 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_20220814T041336_20220814T041500_E001       Backscatter Error (Retracker 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_20220814T043529_20220814T043732_E001       Backscatter Error (Retracker 3), Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_20220814T04353111_20220814T045204_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_20220814T0453111_20220814T053930_E001       Backscatter Error (Retracker 3)       There is a backs	CS_OFFL_SIR_SAR_220220814T024146_20220814T024325_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220814T03574_20220814T035801_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_20220814T035247_20220814T035811_E001       Backscatter Error (Retracker 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_20220814T035819_20220814T035919_E001       Backscatter Error (Retracker 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_20220814T041336_20220814T041500_E001       Backscatter Error (Retracker 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_20220814T041336_20220814T043732_E001       Backscatter Error (Retracker 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_20220814T044951_20220814T045204_E001       Backscatter Error (Retracker 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_20220814T053111_20220814T053930_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_20220814T053111_20220814T053930_E001       Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records </td <td>CS_OFFL_SIR_SAR_220220814T025710_20220814T025826_E001</td> <td></td> <td>There is a backscatter error for Retracker 2 and 3 for one or more records</td>	CS_OFFL_SIR_SAR_220220814T025710_20220814T025826_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220814T035811_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_20220814T035819_20220814T035919_E001       Backscatter Error (Retracker 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_20220814T041336_20220814T041500_E001       Backscatter Error (Retracker 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_20220814T043529_20220814T043732_E001       Backscatter Error (Retracker 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_20220814T043529_20220814T043732_E001       Backscatter Error (Retracker 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_20220814T044951_20220814T043529_20220814T045204_E001       Backscatter Error (Retracker 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_20220814T053930_E001       Backscatter Error (Retracker 2), Backscatter error (Retracker 2), Backscatter error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_20220814T053930_20220814T054026_E001       Backscatter Error (Retracker 2), Backscatter error (Retracker 2), Backscatter error (Retracker 3)       There is a backscatter error for Re	CS_OFFL_SIR_SAR_220220814T033700_20220814T033820_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_202208141033919_202208141033919_202108141033919_202108141033919_202108141033919_202108141033919_202108141033919_202108141033919_202108141033919_202108141041500_E001       Backscatter Error (Retracker 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_20220814T061509_20220814T061702_E001       Backscatter Error (Retracker 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_20220814T061509_20220814T063108_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records <td>CS_OFFL_SIR_SAR_220220814T035247_20220814T035811_E001</td> <td></td> <td>There is a backscatter error for Retracker 2 and 3 for one or more records</td>	CS_OFFL_SIR_SAR_220220814T035247_20220814T035811_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_202208141041336_202208141041500_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_20220814T043529_20220814T043732_E001       Backscatter Error (Retracker 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_20220814T044951_20220814T043732_E001       Backscatter Error (Retracker 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_20220814T044951_20220814T045204_E001       Backscatter Error (Retracker 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_20220814T053911_20220814T053930_E001       Backscatter Error (Retracker 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_20220814T053930_20220814T054026_E001       Backscatter Error (Retracker 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_20220814T061509_20220814T061702_E001       Backscatter Error (Retracker 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_20220814T061509_20220814T061702_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records     <	CS_OFFL_SIR_SAR_220220814T035819_20220814T035919_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220814T043529_20220814T043732_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_20220814T044951_20220814T045204_E001       Backscatter Error (Retracker 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_20220814T053111_20220814T053930_E001       Backscatter Error (Retracker 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_20220814T053930_20220814T054026_E001       Backscatter Error (Retracker 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_20220814T061509_20220814T054026_E001       Backscatter Error (Retracker 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_20220814T061509_20220814T061702_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_20220814T061509_20220814T061702_E001       Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_20220814T062643_20220814T063108_E001       Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_SAR_220220814T041336_20220814T041500_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220814T044951_20220814T045304_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_20220814T053111_20220814T053930_E001       Backscatter Error (Retracker 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_20220814T053930_20220814T054026_E001       Backscatter Error (Retracker 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_20220814T061509_20220814T061702_E001       Backscatter Error (Retracker 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_20220814T061509_20220814T061702_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_20220814T061509_20220814T061702_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_SAR_2_20220814T043529_20220814T043732_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220814T053930_20220814T054026_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_20220814T053930_20220814T054026_E001       Backscatter Error (Retracker 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_20220814T061509_20220814T061702_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_20220814T061509_20220814T061702_E001       Backscatter Error (Retracker 2), Backscatter E	CS_OFFL_SIR_SAR_2_20220814T044951_20220814T045204_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220814T063509_20220814T063108_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_20220814T061509_20220814T061702_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_20220814T062843_20220814T063108_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 2),       There is a backscatter error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_SAR_220220814T053111_20220814T053930_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_202208141061509_202208141061102_E001 Backscatter Error (Retracker 3) Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), There is a backscatter error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_SAR_220220814T053930_20220814T054026_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
	CS_OFFL_SIR_SAR_220220814T061509_20220814T061702_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
	CS_OFFL_SIR_SAR_2_20220814T062843_20220814T063108_E001		There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220220814T070805_20220814T071547_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T071624_20220814T071700_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T074649_20220814T075018_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T075432_20220814T075704_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T080739_20220814T081210_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T084731_20220814T085410_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T085410_20220814T085545_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T085915_20220814T085945_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T090108_20220814T090215_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T090747_20220814T090922_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T092156_20220814T092448_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T093222_20220814T093636_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T094620_20220814T095023_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T101130_20220814T101415_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T102549_20220814T103310_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T103310_20220814T103504_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T103857_20220814T104503_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T104646_20220814T104713_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T110023_20220814T110210_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T111219_20220814T111636_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T112729_20220814T112952_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T115910_20220814T120001_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T120600_20220814T120715_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T120731_20220814T121207_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T121207_20220814T121322_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T121708_20220814T121736_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T124954_20220814T125657_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T130754_20220814T130857_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T131205_20220814T131232_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T134528_20220814T135043_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T135043_20220814T135207_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T142618_20220814T143022_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T143026_20220814T143058_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T143134_20220814T143156_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220220814T144715_20220814T144822_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T150220_20220814T150400_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T150643_20220814T150939_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T150939_20220814T151109_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T152529_20220814T152655_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T152718_20220814T153138_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T153352_20220814T153443_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T154639_20220814T154800_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T161205_20220814T161418_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T162639_20220814T162800_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T170259_20220814T170308_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T170309_20220814T170637_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T170648_20220814T171059_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T175138_20220814T175356_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T180516_20220814T180730_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T184519_20220814T185137_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T192930_20220814T193340_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T194440_20220814T194636_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T195103_20220814T195418_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T201032_20220814T201257_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T201354_20220814T201504_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T201848_20220814T201920_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T202416_20220814T202418_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T202458_20220814T203246_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T210920_20220814T211321_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T212306_20220814T212754_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T215208_20220814T215357_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T215602_20220814T215624_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T215624_20220814T215907_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T220035_20220814T220121_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T220315_20220814T220422_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T220445_20220814T221218_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T221231_20220814T221324_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T222443_20220814T222728_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220220814T224826_20220814T225040_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T230211_20220814T230556_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T233022_20220814T233239_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T233951_20220814T234011_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220814T234431_20220814T235218_E001	Backscatter Error (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_220220814T002950_20220814T003055_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_220220814T003353_20220814T003429_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220814T003436_20220814T003457_E001	Backscatter Error (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_220220814T011910_20220814T012046_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_20220814T012636_20220814T012638_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220814T012817_20220814T013017_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_220220814T020910_20220814T020941_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_220220814T021157_20220814T021412_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_220220814T022827_20220814T023122_E001	Backscatter Error (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_220220814T025826_20220814T030013_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_220220814T030550_20220814T030553_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220814T030655_20220814T031349_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_220220814T031457_20220814T031944_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_220220814T032620_20220814T033048_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_220220814T033538_20220814T033700_E001	Backscatter Error (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_220220814T034737_20220814T035247_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_220220814T035812_20220814T035819_E001	Backscatter Error (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_220220814T040842_20220814T041241_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_220220814T043733_20220814T044043_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_220220814T044434_20220814T044439_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220814T044731_20220814T044951_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_220220814T052531_20220814T053110_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_220220814T054720_20220814T054855_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_220220814T061702_20220814T061827_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_220220814T062348_20220814T062354_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220814T062721_20220814T062843_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_220220814T070341_20220814T070804_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_20220814T071548_20220814T071623_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_20220814T071818_20220814T071847_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_220220814T075704_20220814T075829_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_20220814T080627_20220814T080739_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_20220814T084340_20220814T084447_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_20220814T084542_20220814T084731_E001	Backscatter Error (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_20220814T085801_20220814T085834_E001	Backscatter Error (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_220220814T085945_20220814T090108_E001	Backscatter Error (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_20220814T090628_20220814T090747_E001	Backscatter Error (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_20220814T093637_20220814T093802_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_220220814T094317_20220814T094620_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_20220814T111637_20220814T111943_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_220220814T112219_20220814T112729_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_20220814T120716_20220814T120731_E001	Backscatter Error (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_220220814T121323_20220814T121708_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_20220814T121804_20220814T121809_E001	Backscatter Error (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_220220814T125657_20220814T125931_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_20220814T130127_20220814T130331_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220814T130632_20220814T130754_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_20220814T135207_20220814T135324_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_220220814T135556_20220814T135825_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_20220814T143023_20220814T143025_E001	Backscatter Error (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_220220814T143156_20220814T143806_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_220220814T144047_20220814T144105_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220814T144534_20220814T144714_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_220220814T152655_20220814T152718_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_20220814T153139_20220814T153351_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_220220814T153443_20220814T153710_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_220220814T154800_20220814T154922_E001	Backscatter Error (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_20220814T161419_20220814T161559_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_220220814T162444_20220814T162639_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_220220814T165156_20220814T165429_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_220220814T165519_20220814T165640_E001		An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220220814T170638_20220814T170648_E001	Backscatter Error (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_20220814T171100_20220814T171544_E001	Backscatter Error (Retracker 3), SARIN X-	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220220814T175357_20220814T175529_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_220220814T175703_20220814T175816_E001		An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220814T180238_20220814T180515_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_220220814T185137_20220814T185925_E001	track Apple Error, Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220220814T193340_20220814T193730_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_220220814T194318_20220814T194439_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_220220814T201504_20220814T201526_E001	Backscatter Error (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_220220814T201921_20220814T202043_E001	Backscatter Error (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_220220814T202146_20220814T202224_E001	Backscatter Error (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_220220814T202418_20220814T202442_E001	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_220220814T202446_20220814T202458_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_220220814T203246_20220814T203357_E001	track Angle Error (Retracker 3), SARIN X-	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220814T203440_20220814T203605_E001	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_220220814T211322_20220814T211636_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_220220814T212150_20220814T212306_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_220220814T214256_20220814T214418_E001	Backscatter Error (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_220220814T215357_20220814T215421_E001	Backscatter Error (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_220220814T220423_20220814T220445_E001	Backscatter Error (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_220220814T225040_20220814T225459_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_220220814T230056_20220814T230211_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_220220814T232508_20220814T232551_E001	Backscatter Error (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_220220814T233902_20220814T233926_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220220814T234011_20220814T234249_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_220220814T234307_20220814T234431_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