

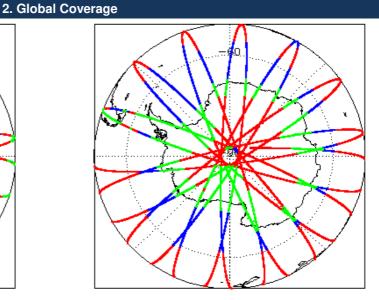
# **QA4EO Daily Report for OFFLINE data:**

# 1. Overview

Report Production Date:	09-Dec-2022	Check	Status
Report Froduction Date.		Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal
Flocessol Useu.		Product Software Check	Nominal
Data Used:	L1B and L2 OFFLINE Data	Product Format Check	Nominal
Data Used:		Product Header Analysis	Nominal
		Star Tracker Usage Check	Nominal
We would love to hear from you!		L1B Tracking Flag Check	See Section 4.4
Please let us know your feedback about these daily quality		L1B Calibration Usage Check	Nominal
reports: What do you like/ dislike? What quality information do		L1B & L2 Auxiliary Data File Usage Check	Nominal
you need? Send your feedback to		L1B & L2 Auxiliary Correction Error Check	See Section 5.4
cs2_qc_team@telespazio.com		L1B & L2 Measurement Confidence Data Check	See Section 4.8 and 5.5
		QCC Errors/ Warnings	See Section 6.1, 6.2 and 6.3

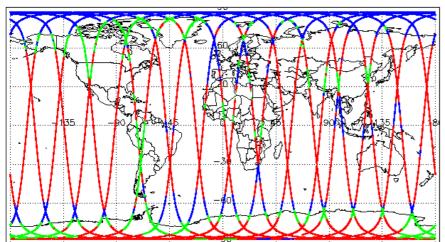
# Mission / Instrument News 10-Nov-2022 None 11-Nov-2022 None

12-Nov-2022 Nothing planned



<u>11/11/2022</u>

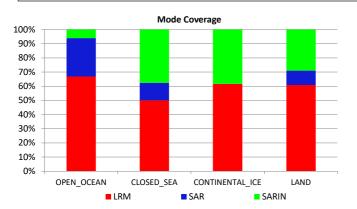
IDEAS-QAHE®

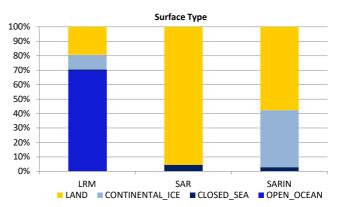


Mode Coverage (%)
LRM 64.9
SAR 20.6

SARIn

14.5





# 3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

# 4. Level 1B Data Quality Check

#### 4.1 L1B Product Format Check

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

Number of products with errors:

#### 4.2 L1B Product Header Analysis

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

#### 4.3 Star Tracker Usage Check

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

132

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20221111T000610_20221111T001237_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T001240_20221111T001319_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T001322_20221111T001403_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T001510_20221111T001556_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T002003_20221111T004226_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T004734_20221111T005106_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T005128_20221111T005456_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T005823_20221111T012632_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T014847_20221111T015621_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T015623_20221111T015736_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T015738_20221111T022152_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T023028_20221111T023355_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T032741_20221111T033038_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T033111_20221111T033157_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T033355_20221111T033857_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T033900_20221111T034347_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T034350_20221111T034356_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T034359_20221111T034413_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T034747_20221111T035327_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T040517_20221111T041054_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T050607_20221111T050612_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T050942_20221111T051019_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T051042_20221111T051051_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T051517_20221111T051657_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T051840_20221111T052215_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T055647_20221111T063202_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T063205_20221111T063210_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T063213_20221111T063221_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T063223_20221111T063232_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T073628_20221111T075228_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T075755_20221111T081012_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T081015_20221111T081017_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T081020_20221111T081031_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T081037_20221111T081044_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T081051_20221111T081054_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T081056_20221111T081058_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T081100_20221111T081106_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T081108_20221111T081124_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T081127_20221111T081143_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T081147_20221111T081201_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T081204_20221111T081236_E001	Loss of echo	The tracking echo is missing for one or more records

CS OFFL SIR LRM 1B 20221111T084410 20221111T085756 E001 CS OFFL SIR LRM 1B 20221111T090604 20221111T090804 E001 CS OFFL SIR LRM 1B 20221111T091513 20221111T093026 E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T093227\_20221111T094150\_E001 CS OFFL SIR LRM 1B 20221111T094448 20221111T094623 E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T094625\_20221111T094649\_E001 CS OFFL SIR LRM 1B 20221111T094652 20221111T094655 E001 CS OFFL SIR LRM 1B 20221111T094657 20221111T094702 E001 CS\_OFEL\_SIB\_LBM\_1B\_20221111T094705\_20221111T094724\_E001 CS OFFL SIR LRM 1B 20221111T094727 20221111T094739 E001 CS OFFL SIR LRM 1B 20221111T094741 20221111T094833 E001 CS OFFL SIR LRM 1B 20221111T094835 20221111T094836 E001 CS OFFL SIR LRM 1B 20221111T094838 20221111T094848 E001 CS OFFL SIR LRM 1B 20221111T094850 20221111T095215 E001 CS OFFL SIB LBM 1B 20221111T100313 20221111T102111 E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T102713\_20221111T102737\_E001 CS OFFL SIR LRM 1B 20221111T102739 20221111T102744 E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T111748\_20221111T111902\_E001 CS OFFL SIR LRM 1B 20221111T112258 20221111T112406 E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T112408\_20221111T112416\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T112418\_20221111T112429\_E001 CS\_OFFL\_SIR\_LBM\_1B\_20221111T112434\_20221111T112517\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T112520\_20221111T112532\_E001 CS OFFL SIR LRM 1B 20221111T112534 20221111T112544 E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T112550\_20221111T112554\_E001 CS OFFL SIR LRM 1B 20221111T112557 20221111T112558 E001 CS OFFL SIR LRM 1B 20221111T112600 20221111T112608 E001 CS OFFL SIR LRM 1B 20221111T112614 20221111T113155 E001 CS OFFL SIR LRM 1B 20221111T114658 20221111T120125 E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T122244\_20221111T122455\_E001 CS OFFL SIR LRM 1B 20221111T122516 20221111T123059 E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T123454\_20221111T125859\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T130250\_20221111T130740\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T130755\_20221111T130835\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T132233\_20221111T132314\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T132437\_20221111T132725\_E001 CS OFFL SIR LRM 1B 20221111T132727 20221111T132733 E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T133028\_20221111T135736\_E001 CS\_OFEL\_SIR\_LBM\_1B\_20221111T141411\_20221111T143418\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T143420\_20221111T144140\_E001 CS\_OFFL\_SIR\_LBM\_1B\_20221111T144145\_20221111T144157\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T144159\_20221111T144436\_E001 CS OFFL SIR LRM 1B 20221111T144509 20221111T144743 E001 CS OFFL SIR LRM 1B 20221111T160104 20221111T160701 E001 CS\_OFFL\_SIR\_LBM\_1B\_20221111T160812\_20221111T161507\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T162043\_20221111T162128\_E001 CS OFFL SIR LRM 1B 20221111T162130 20221111T162137 E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T162150\_20221111T162313\_E001 CS OFFL SIR LRM 1B 20221111T162313 20221111T162416 E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T164326\_20221111T171615\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T175325\_20221111T175819\_E001 CS\_OFFL\_SIR\_LBM\_1B\_20221111T175853\_20221111T175906\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T175909\_20221111T180032\_E001 CS OFFL SIR LRM 1B 20221111T182056 20221111T184327 E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T190327\_20221111T190726\_E001 CS OFFL SIR LRM 1B 20221111T195822 20221111T195909 E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T195912\_20221111T195915\_E001 CS OFFL SIR LRM 1B 20221111T195920 20221111T195930 E001 CS OFFL SIR LRM 1B 20221111T195932 20221111T200016 E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T200018\_20221111T200024\_E001 CS OFFL SIR LRM 1B 20221111T200028 20221111T200029 E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T200032\_20221111T200048\_E001 CS OFFL SIR LRM 1B 20221111T200052 20221111T201248 E001 CS\_OFFL\_SIR\_LRM\_1B\_20221111T201729\_20221111T201850\_E001

Loss of echo oss of echo Loss of echo oss of echo Loss of echo

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

CS_OFFL_SIR_LRM_1B_20221111T201852_20221111T201855_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T201857_20221111T203434_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T205304_20221111T210548_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T210802_20221111T212556_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T213736_20221111T213833_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T213835_20221111T213837_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T213840_20221111T213847_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T213849_20221111T213852_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T213854_20221111T213856_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T213900_20221111T214052_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T214055_20221111T214343_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T214722_20221111T215653_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T215928_20221111T221318_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T223357_20221111T223634_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T224002_20221111T224134_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T224716_20221111T224809_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T224814_20221111T224918_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T224922_20221111T224924_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T224929_20221111T225140_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T225303_20221111T230015_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T231614_20221111T232147_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T232205_20221111T232209_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T232211_20221111T232514_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T232516_20221111T232530_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T232833_20221111T232931_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T232934_20221111T232955_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221111T235619_20221112T000039_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.

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.

est Failed

### Number of products with errors:

Product	Те

2

0

CS\_OFFL\_SIR\_LRM\_1B\_20221111T033900\_20221111T034347\_E001

Echo error, TRK echo error

The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

Description

# 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: 0

#### 5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 0

# 5.4 L2 Auxiliary Correction Error Check

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

97

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS OFFL SIR SAR 2 20221111T001926 20221111T002003 E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20221111T004226 20221111T004502 E001	Snow depth model	fails outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20221111T005641 20221111T005823 E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20221111T022152 20221111T022244 E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
		falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221111T022245_20221111T022346_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221111T023531_20221111T023843_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221111T031317_20221111T031323_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20221111T032625_20221111T032741_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_220221111T033157_20221111T033355_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_220221111T035327_20221111T035706_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_220221111T040031_20221111T040403_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_220221111T041412_20221111T041822_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_20221111T045047_20221111T045059_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_220221111T045136_20221111T045229_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_220221111T050304_20221111T050346_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_220221111T050612_20221111T050942_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_220221111T051140_20221111T051517_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_20221111T053900_20221111T054318_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 20221111T055259 20221111T055647 E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20221111T063944 20221111T064231 E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20221111T071720 20221111T072406 E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20221111T073423 20221111T073628 E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20221111T075228 20221111T075310 E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20221111T075548_20221111T075755_E001		falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221111T082417_20221111T082448_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221111T084257_20221111T084410_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221111T085756_20221111T090328_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20221111T091447_20221111T091513_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221111T093026_20221111T093227_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_220221111T100304_20221111T100313_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_220221111T103932_20221111T104051_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_220221111T105357_20221111T105508_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_20221111T110933_20221111T111102_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_20221111T111104_20221111T111113_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_20221111T111113_20221111T111711_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_220221111T111714_20221111T111744_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_220221111T111746_20221111T111748_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_220221111T114310_20221111T114317_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_220221111T114357_20221111T114422_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_220221111T121908_20221111T122055_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_220221111T123321_20221111T123454_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_220221111T135736_20221111T140027_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
		Tails outside of the extent of the current show depth model

CS\_OFFL\_SIR\_SAR\_2\_\_20221111T141210\_20221111T141411\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T144743\_20221111T144849\_E001 CS OFFL SIR SAR 2 20221111T153551 20221111T154030 E001 CS OFFL SIR SAR 2 20221111T155057 20221111T155327 E001 CS\_OFFL\_SIR\_SAR\_2\_20221111T155727\_20221111T160104\_E001 CS OFFL SIR SAR 2 20221111T161814 20221111T161848 E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T162416\_20221111T162737\_E001 CS OFFL SIR SAR 2 20221111T163035 20221111T163101 E001 CS OFFL SIR SAR 2 20221111T163128 20221111T163915 E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T164054\_20221111T164113\_E001 CS OFFL SIR SAR 2 20221111T164114 20221111T164155 E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T171615\_20221111T171950\_E001 CS OFFL SIR SAR 2 20221111T172948 20221111T173356 E001 CS OFFL SIR SAR 2 20221111T175819 20221111T175852 E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T180032\_20221111T180336\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T180336\_20221111T180803\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T180826\_20221111T181037\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T181921\_20221111T182056\_E001 CS\_OFFL\_SIR\_SAR\_2\_20221111T184327\_20221111T184436\_E001 CS OFFL SIR SAR 2 20221111T185459 20221111T185703 E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T190310\_20221111T190316\_E001 CS OFFL SIR SAR 2 20221111T190324 20221111T190327 E001 CS\_OFFL\_SIR\_SAR\_2\_20221111T190835\_20221111T191224\_E001 CS OFFL SIR SAR 2 20221111T193828 20221111T193843 E001 CS OFFL SIR SAR 2 20221111T194557 20221111T194624 E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T201248\_20221111T201729\_E001 CS\_OFFL\_SIR\_SAR\_2\_20221111T203434\_20221111T203510\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T204210\_20221111T204216\_E001 CS\_OFFL\_SIR\_SAR\_2\_20221111T204223\_20221111T204229\_E001 CS\_OFFL\_SIB\_SAB\_2\_20221111T204621\_20221111T205304\_E001 CS OFFL SIR SAR 2 20221111T210548 20221111T210802 E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T212556\_20221111T212638\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T212638\_20221111T212748\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T215653\_20221111T215724\_E001 CS OFFL SIR SAR 2 20221111T215727 20221111T215928 E001 CS OFFL SIR SAR 2 20221111T221318 20221111T221431 E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T222122\_20221111T222128\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T223051\_20221111T223115\_E001 CS\_OFFL\_SIR\_SAR\_2\_20221111T223135\_20221111T223313\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T223322\_20221111T223356\_E001 CS OFFL SIR SAR 2 20221111T230312 20221111T230352 E001 CS OFFL SIR SAR 2 20221111T230420 20221111T230437 E001 CS\_OFFL\_SIR\_SAR\_2\_20221111T232148\_20221111T232203\_E001 CS\_OFFL\_SIR\_SAR\_2\_\_20221111T232955\_20221111T233253\_E001 CS\_OFFL\_SIR\_SAR\_2\_20221111T233403\_20221111T233613\_E001 CS OFFL SIR SAR 2 20221111T235221 20221111T235334 E001 CS OFFL SIR SIN 2 20221111T054950 20221111T055259 E001 CS\_OFFL\_SIR\_SIN\_2\_20221111T072407\_20221111T072651\_E001 CS\_OFFL\_SIR\_SIN\_2\_20221111T072854\_20221111T073422\_E001 CS\_OFFL\_SIR\_SIN\_2\_\_20221111T090328\_20221111T090604\_E001

Snow depth model Mean Sea Surface model Mean Sea Surface model Mean Sea Surface model Mean Sea Surface model There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model There 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 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There is an error with the Mean Sea Surface for one or more records

CS_OFFL_SIR_SIN_220221111T154030_20221111T154405_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20221111T171950_20221111T172310_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221111T204430_20221111T204620_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221111T222302_20221111T222953_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.

233

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_2_20221111T000610_20221111T001237_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20221111T002003_20221111T004226_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_20221111T005823_20221111T012632_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_20221111T015738_20221111T022152_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_20221111T023843_20221111T031135_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_20221111T032429_20221111T032624_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_20221111T033355_20221111T033857_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_20221111T041822_20221111T045047_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_220221111T050346_20221111T050457_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_20221111T052325_20221111T053900_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_220221111T055647_20221111T063202_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_20221111T065427_20221111T065847_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_20221111T065943_20221111T071720_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_20221111T073628_20221111T075228_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_20221111T075310_20221111T075548_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_20221111T075755_20221111T081012_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_20221111T082448_20221111T084257_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_20221111T084410_20221111T085756_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_220221111T091513_20221111T093026_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_20221111T093227_20221111T094150_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_220221111T100313_20221111T102111_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_20221111T102713_20221111T102737_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220221111T114422_20221111T114609_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_220221111T114658_20221111T120125_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

Gold Markel Markel Alson (11) 111000 (2001) 11110000 (2001) 111100000 (2001) 1110000 (2001) 1110000 (2001) 1110000 (20		Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Biole Mark 2         ADDIT INTEGER EDIT         Biole Markan and Art State Markan and Art M	05_0FFL_5IH_LHW_2_20221111120126_20221111121906_E001	. ,	
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Carry Bar Land         Cary Bar Land         Carry Ba	CS_OFFL_SIR_LRM_220221111T133028_20221111T135736_E001	(Retracker 3), Backscatter Error	
Bale Description         End (Prescription)         End (Prescription)         End (Prescription)           CD_CPPU_DED_UNCDODUTTISANG_NOTTITISANG_DODUTTISANG_DODUTTISANG_NOTTISA	CS_OFFL_SIR_LRM_220221111T141411_20221111T143418_E001		
GL_DPL_UPL_UPL_UPL_UPL_UPL_UPL_UPL_UPL_UPL_U	CS_OFFL_SIR_LRM_220221111T143420_20221111T144140_E001	Error (Retracker 2)	
Column Column         Column Column         Column         Column         Column           Column <t< td=""><td>CS_OFFL_SIR_LRM_220221111T150446_20221111T153551_E001</td><td>(Retracker 3), Backscatter Error</td><td></td></t<>	CS_OFFL_SIR_LRM_220221111T150446_20221111T153551_E001	(Retracker 3), Backscatter Error	
CB_COPPL_SIRT_UNU_2_X0221111710265_X0221111710265_X02111170265_X021117102655_X02111710265_X02111710265_X02111710265_X0	CS_OFFL_SIR_LRM_220221111T162838_20221111T163035_E001		
Circl (Rescard 2)         record	CS_OFFL_SIR_LRM_2_20221111T164326_20221111T171615_E001	Error (Retracker 2), Surface model	
CB: OFFL SIR LEW 2: 0221111T13235 0221111T103000 0221111T20300 0220100 000 0000 0000 0000 0000 00	CS_OFFL_SIR_LRM_220221111T173356_20221111T175007_E001		-
CS_OFFL_SR_LMA_2_0221111710800_02211117108004_E001 Emerg (Remover 2), Substantiation and the strategit and backstatter error for Retacker 2 for one or more errors CS_OFFL_SR_LMA_2_02211117108006_202211117108004_E001 Emerg (Remover 2), Substantiation and the strategit and backstatter error for Retacker 2 for one or more errors CS_OFFL_SR_LMA_2_02211117108006_202211117108004_E001 Emerg (Remover 2), Substantiation and the strategit and backstatter error for Retacker 2 for one or more errors CS_OFFL_SR_LMA_2_02211117108006_202211117108004_E001 Emerg (Remover 2), Substantiation and the strategit and backstatter error for Retacker 2 for one or more errors CS_OFFL_SR_LMA_2_02211117201062_002211117201042_E001 Emerg (Remover 2), Substantiation and the strategit and backstatter error for Retacker 2 for one or more errors CS_OFFL_SR_LMA_2_02211117201062_002211117201042_E001 Emerg (Remover 2), Substantiation and the strategit and backstatter error for Retacker 2 for one or more errors CS_OFFL_SR_LMA_2_02211117201062_002211117201042_E001 Emerg (Remover 2), Substantiation Emerg (Remover 2),	CS_OFFL_SIR_LRM_220221111T175325_20221111T175819_E001	(Retracker 3), Backscatter Error	
CSULTH_SHUMAROUTH_INDUCT_CONTINUESD_2021         Envir (Retroder 2)         moorts           CS_OFFL_SIR_UMA_2_2021         Hight Envir (Retroder 2)         Backstatter         There is a hight and backstatter envir for Retrader 2 for one or more           CS_OFFL_SIR_UMA_2_2021         Envir (Retroder 2)         Backstatter         There is a hight and backstatter envir for Retrader 2 for one or more           CS_OFFL_SIR_UMA_2_2021         Envir (Retroder 2)         Backstatter         There is a hight and backstatter envir for Retrader 2 for one or more           CS_OFFL_SIR_UMA_2_2021         Envir (Retroder 2)         Backstatter         There is a hight and backstatter envir for Retrader 2 for one or more           CS_OFFL_SIR_UMA_2_2021         Envir (Retroder 2)         Backstatter         There is a hight and backstatter envir for Retrader 2 for one or more           CS_OFFL_SIR_UMA_2_2022         Envir (Retroder 2)         Backstatter         There is a hight and backstatter envir for Retrader 2 for one or more           CS_OFFL_SIR_UMA_2_2022         Envir (Retroder 2)         Backstatter         There is a hight and backstatter envir for Retrader 2 or on or more           CS_OFFL_SIR_UMA_2_2022         Envir (Retroder 2)         Backstatter         There is a hight and backstatter envir for Retrader 2 or on or more           CS_OFFL_SIR_UMA_2_2022         Envir (Retroder 2)         Backstatter         There is a hight and backstatter envir for Retrader 2 or on or more <t< td=""><td>CS_OFFL_SIR_LRM_2_20221111T180803_20221111T180826_E001</td><td>Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model</td><td></td></t<>	CS_OFFL_SIR_LRM_2_20221111T180803_20221111T180826_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model	
Concurrency Structurency Concurrency Structurency Structuren	CS_OFFL_SIR_LRM_220221111T182056_20221111T184327_E001		
Corr, Shi Link 2_20221111720124, 2021111720124, E001         Enric (Reinder 2)         records           Co, OFE, Shi Link 2_20221111720124, 2021111720124, E001         Height Enric (Reinder 2), Subtace model unvalidable         There is a height and backscatter error for Reinder 2 and a no DEM or October 2, Subtace model unvalidable           Co, OFE, SHI LINK 2_202211117201697, 202211117201697, 202211117201697, 202211117201697, 202211117201697, 202211117201697, 202211117201697, 202211117201697, 202211117201697, 202211117201697, 202211117201697, 202211117201697, 20221111721698, E001         Height Enric (Reinder 2), Reakscatter Enric (Reinder 2),	CS_OFFL_SIR_LRM_220221111T184436_20221111T185459_E001		
C6:       OFL_SIR_LEM_2_20221111720152_20221111720152       Enror (Retrader 2), Surface model and advances of the heads of data on models         C6:       OFL_SIR_LEM_2_20221111720152_202211117201550_E001       Height Enror (Retrader 2), Backscatter enror for Retracker 2 for one or more encods         C6:       OFL_SIR_LEM_2_a02211117201557_202211117201550_E001       Height Enror (Retracker 2), Backscatter enror for Retracker 2 for one or more encods         C6:       OFL_SIR_LEM_2_a02211117201557_202211117201558_E001       Height Enror (Retracker 2), Backscatter enror for Retracker 2 for one or more encods         C6:       OFL_SIR_LEM_2_a02211117201559_E001       Height Enror (Retracker 2), Height Enror (Retracker 2)	CS_OFFL_SIR_LRM_2_20221111T191224_20221111T193828_E001		
Correl_Sin_LPMLDoubling       Enror (Retracker 2)       econds         CS_OFFL_SIN_LFMLDOUBLINED       Height Enror (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or more econds         CS_OFFL_SIN_LFMLDOUBLINED       Meight Enror (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or more econds         CS_OFFL_SIN_LFMLDOUBLINED       Meight Enror (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 and a height error for Retracker 2 and a height error for Retracker 2 and a height error for Retracker 2, height Error (Retracker 2), height Error (Retracker 3) for one or more records </td <td>CS_OFFL_SIR_LRM_220221111T200052_20221111T201248_E001</td> <td>Error (Retracker 2), Surface model</td> <td></td>	CS_OFFL_SIR_LRM_220221111T200052_20221111T201248_E001	Error (Retracker 2), Surface model	
Corpert_Sin_Limutcoust       Error (Retracker 2)       records         CS_OFFL_SIN_LIMU_2_202211117210548_E001       Height Error (Retracker 2), Error (Retracker 2), Height Error (Retracker 2), Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Error (Retracker 2), Height Error (Retracker 3), Error (Retracker	CS_OFFL_SIR_LRM_2_20221111T201729_20221111T201850_E001		
CB: OFFL_SIR_LRM_2_202211117210508_202211117210508_E001       Emr (Retracker 2)       records         CS: OFFL_SIR_LRM_2_202211117210508_202211117210508_E001       Retracker 2), Regite Error       There is a height and backscatter error for Retracker 2 and a height error         CS: OFFL_SIR_LRM_2_202211117210508_202211117210508_E001       Retracker 2), Regite Error       There is a height and backscatter error for Retracker 2 and a height error         CS: OFFL_SIR_LRM_2_202211117210528_202211117221018_E001       Retracker 3), Backscatter Error       There is a height and backscatter error for Retracker 2 and a height error         CS: OFFL_SIR_LRM_2_202211117224008_E001       Retracker 3), Backscatter Error       There is a height and backscatter error for Retracker 2 and a height error         CS: OFFL_SIR_LRM_2_202211117224076_202211117224134_E001       Height Error       Retracker 3), Backscatter Error       There is a height and backscatter error for Retracker 2 and a height error         CS: OFFL_SIR_LRM_2_202211117224076_202211117224108_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS: OFFL_SIR_LRM_2_202211117224028_202211117226409_E001       Retracker 2), Height Error       There is a height and backscatter error for Retracker 2 and a height error for Retracker 2), Eight Error       There is a height and backscatter error for Retracker 2 and a height error for Retracker 2), Eight Error         CS: OFFL_SIR_LRM_2_202211117224028_20221111723015_E001       Height Error (Retracker 2), Height Error       There is a height	CS_OFFL_SIR_LRM_220221111T201857_20221111T203434_E001		
CS_OFFL_SIR_LRM_2_20221111721686_E001       [Periracker 2], Period Control (Periracker 2), Period Control (Perirack	CS_OFFL_SIR_LRM_220221111T205304_20221111T210548_E001		5
CS_OFFL_SIR_LRM_2_202211117215683_E001       (Reiracker 2), Rejok Error (Reiracker 2)         CS_OFFL_SIR_LRM_2_202211117221318_E001       (Reiracker 2), Height Error (Reiracker 2), Reight Error (Reiracker 3), Backscatter Error (Reiracker 3), Backscatter Error (Reiracker 2), Reight Error (R	CS_OFFL_SIR_LRM_2_20221111T210802_20221111T212556_E001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20221111T231928_20221111T221318_E001       (Retracker 2), Backscatter Error (Retracker 2), Meight Error (Retracker 2), Meight Error (Retracker 2)       Intel® to a meight end/or the fordate 2 and a height error (Retracker 2), Meight Error (Retracker 2)         CS_OFFL_SIR_LRM_2_20221111T224002_20221111T224134_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20221111T224029_20221111T22409_20221111T22400_E001       Retracker 2), Height Error (Retracker 2)       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20221111T224029_20221111T225140_E001       Retracker 2), Height Error (Retracker 2)       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20221111T22503_20221111T220015_E001       Retracker 2), Height Error (Retracker 2)       There is a height and backscatter error for Retracker 2 and a height error (Retracker 2)         CS_OFFL_SIR_LRM_2_20221111T230017_20221111T230012_E001       Retracker 2), Height Error (Retracker 2)       There is a height and backscatter error for Retracker 2 and a height error (Retracker 2)         CS_OFFL_SIR_LRM_2_20221111T230137_20221111T230012_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20221111T232205_20221111T232514_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_202211111T232514_E001       Surface Model Un	CS_OFFL_SIR_LRM_220221111T214722_20221111T215653_E001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20221111T224002_20221111T22409_E001       (Reiracker 2)         CS_OFFL_SIR_LRM_2_20221111T224716_20221111T22499_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20221111T224716_20221111T22499_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20221111T224929_20221111T225140_E001       (Reiracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Back	CS_OFFL_SIR_LRM_220221111T215928_20221111T221318_E001	(Retracker 3), Backscatter Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20221111T225140_E001       Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Edskscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Error (Retra	CS_OFFL_SIR_LRM_220221111T224002_20221111T224134_E001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_202211117224929_202211117225140_E001       (Retracker 2), Backscatter Error (Retracker 2)       Interests a neight and backscatter error for Retracker 2 and a height error (Retracker 2)         CS_OFFL_SIR_LRM_2_2022111172303_202211117230015_E001       Height Error (Retracker 2), Height Error (Retracker 2)       There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 (Sockscatter Error (Retracker 2)         CS_OFFL_SIR_LRM_2_202211117230137_202211117230312_E001       Height Error (Retracker 2), Height Error (Retracker 2)       There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records         CS_OFFL_SIR_LRM_2_20221111723205_202211117232209_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_202211117232216_202211117232530_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_202211117233253_202211117233402_E001       Height Error (Retracker 2), Backscatter       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_202211117233613_20221111723521_E001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_202211117233613_20221111723521_E001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_SAR_2_20221111723569_2022	CS_OFFL_SIR_LRM_220221111T224716_20221111T224809_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_2022111172303_20221111723015_E001       (Refracker 3), Backscatter Error (Retracker 2)       Inter is a height and backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error         CS_OFFL_SIR_LRM_2_202211117230137_20221111723012_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_202211117232205_202211117232209_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_202211117232211_202211117232514_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_202211117232516_202211117232530_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20221111723253_2022011117232530_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_202211117233253_202211117233253_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_202211117233253_202211117233253_E001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_SAR_2_202211117233613_20221111723521_E001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker	CS_OFFL_SIR_LRM_220221111T224929_20221111T225140_E001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20221111T230137_20221111T230312_E001       Height Error (Retracker 2), Height Error (Retracker 2), Height Error for Retracker 3 for one or more records         CS_OFFL_SIR_LRM_2_20221111T232205_20221111T232209_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20221111T232211_20221111T232514_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20221111T232516_20221111T232530_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20221111T232516_20221111T232530_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20221111T233253_20221111T233402_E001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20221111T233613_20221111T235221_E001       Height Error (Retracker 2), Backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_SAR_2_202211107235909_20221111T203521_E001       Height Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_20221110700501_202211117000610_E001       Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_202211117000501_202211117000610_E001       Backscatter Error (Retracker 2), Backscatter error for Retr	CS_OFFL_SIR_LRM_220221111T225303_20221111T230015_E001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20221111T232205_20221111T232209_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20221111T232211_20221111T232514_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20221111T232516_20221111T232530_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20221111T233253_20221111T233253_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20221111T233253_20221111T233402_E001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20221111T233613_20221111T23521_E001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_SAR_2_20221111T235909_20221111T000427_E001       Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_20221111T000501_20221111T000610_E001       Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_20221111T000501_20221111T000610_E001       Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_202211111T000501_20221111T000610_E001	CS_OFFL_SIR_LRM_220221111T230137_20221111T230312_E001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20221111T232516_20221111T232530_E001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20221111T233253_20221111T233402_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_20221111T233613_20221111T235221_E001       Height Error (Retracker 2), Backscatter Error (Retracker 2)       There is a height and backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_SAR_2_20221110T235909_20221111T000427_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_20221111T000501_20221111T000610_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_LRM_2_20221111T232205_20221111T232209_E001		No DEM or Slope Model was used for the location of one or more records
Land       Land <thland< th="">       Land       Land</thland<>	CS_OFFL_SIR_LRM_2_20221111T232211_20221111T232514_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20221111723523_202211117235221_E001       Error (Retracker 2)       records         CS_OFFL_SIR_LRM_2_202211117235613_202211117235221_E001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_SAR_2_202211107235909_202211117000427_E001       Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_202211117000501_202211117000610_E001       Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_202211117000501_202211117000610_E001       Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_202211117000501_202211117000610_E001       Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_202211117000501_202211117000610_E001       Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SAR_2_202211117000501_202211117000610_E001       Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_LRM_2_20221111T232516_20221111T232530_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_SAR_2_202211117235813_20221111700427_E001       Error (Retracker 2)       records         CS_OFFL_SIR_SAR_2_202211107235909_202211117000427_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_202211117000501_202211117000610_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_202211117000501_202211117000610_E001       Backscatter Error (Retracker 2),       There is a backscatter error for Retracker 2 and 3 for one or more records         CS_OFEL_SIR_SAR_2_202211117004276_202211117004502_E001       Backscatter Error (Retracker 2),       There is a backscatter error for Retracker 2 and 3 for one or more records	CS_OFFL_SIR_LRM_220221111T233253_20221111T233402_E001		
CS_OFFL_SIR_SAR_2_20221111T000501_20221111T000610_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_20221111T000501_20221111T000610_E001       Backscatter Error (Retracker 2), 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_LRM_2_20221111T233613_20221111T235221_E001		
Backscatter Error (Retracker 3) Backscatter Error (Retracker 2), B	CS_OFFL_SIR_SAR_2_20221110T235909_20221111T000427_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
	CS_OFFL_SIR_SAR_2_20221111T000501_20221111T000610_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
	CS_OFFL_SIR_SAR_220221111T004226_20221111T004502_E001		There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_2_20221111T005641_20221111T005823_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T013724_20221111T014722_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T022152_20221111T022244_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T022245_20221111T022346_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T023531_20221111T023843_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T031503_20221111T032239_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T032304_20221111T032429_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T032625_20221111T032741_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T033157_20221111T033355_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T035327_20221111T035706_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T040031_20221111T040403_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T041412_20221111T041822_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T045047_20221111T045059_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T045136_20221111T045229_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T045252_20221111T050044_E001	Backscatter Error (Retracker 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_20221111T050044_20221111T050207_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T050231_20221111T050240_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T050304_20221111T050346_E001	Backscatter Error (Retracker 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_20221111T050612_20221111T050942_E001	Backscatter Error (Retracker 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_20221111T051140_20221111T051517_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T053900_20221111T054318_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T055259_20221111T055647_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T063259_20221111T063944_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T063944_20221111T064231_E001	Backscatter Error (Retracker 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_20221111T064412_20221111T065427_E001	Backscatter Error (Retracker 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_20221111T071720_20221111T072406_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T073423_20221111T073628_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T075228_20221111T075310_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T075548_20221111T075755_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T081237_20221111T081347_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T081418_20221111T081838_E001	Backscatter Error (Retracker 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_20221111T081838_20221111T081947_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T082417_20221111T082448_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T084257_20221111T084410_E001	Backscatter Error (Retracker 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_20221111T085756_20221111T090328_E001	Backscatter Error (Retracker 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_20221111T091447_20221111T091513_E001	Backscatter Error (Retracker 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_20221111T093026_20221111T093227_E001	Backscatter Error (Retracker 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_20221111T095216_20221111T095431_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T095432_20221111T095849_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T100304_20221111T100313_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T103932_20221111T104051_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T105357_20221111T105508_E001	Backscatter Error (Retracker 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_20221111T110933_20221111T111102_E001	Backscatter Error (Retracker 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_20221111T111113_20221111T111711_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T113156_20221111T113809_E001	Backscatter Error (Retracker 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_20221111T114310_20221111T114317_E001	Backscatter Error (Retracker 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_20221111T114357_20221111T114422_E001	Backscatter Error (Retracker 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_20221111T121908_20221111T122055_E001	Backscatter Error (Retracker 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_20221111T123321_20221111T123454_E001	Backscatter Error (Retracker 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_20221111T130925_20221111T131145_E001	Backscatter Error (Retracker 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_20221111T131202_20221111T131259_E001	Backscatter Error (Retracker 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_20221111T131333_20221111T131814_E001	Backscatter Error (Retracker 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_20221111T135736_20221111T140027_E001	Backscatter Error (Retracker 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_20221111T141210_20221111T141411_E001	Backscatter Error (Retracker 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_20221111T144743_20221111T144849_E001	Backscatter Error (Retracker 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_20221111T145104_20221111T150016_E001	Backscatter Error (Retracker 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_20221111T153551_20221111T154030_E001	Backscatter Error (Retracker 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_20221111T155057_20221111T155327_E001	Backscatter Error (Retracker 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_20221111T155727_20221111T160104_E001	Backscatter Error (Retracker 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_20221111T161814_20221111T161848_E001	Backscatter Error (Retracker 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_20221111T162416_20221111T162737_E001	Backscatter Error (Retracker 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_20221111T163035_20221111T163101_E001	Backscatter Error (Retracker 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_20221111T163128_20221111T163915_E001	Backscatter Error (Retracker 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_20221111T171615_20221111T171950_E001	Backscatter Error (Retracker 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_20221111T172948_20221111T173356_E001	Backscatter Error (Retracker 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_20221111T175819_20221111T175852_E001	Backscatter Error (Retracker 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_20221111T180032_20221111T180336_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T180336_20221111T180803_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220221111T180826_20221111T181037_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T181152_20221111T181917_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T181921_20221111T182056_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T184327_20221111T184436_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T185459_20221111T185703_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T190835_20221111T191224_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T193828_20221111T193843_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T194557_20221111T194624_E001	Backscatter Error (Retracker 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_20221111T195105_20221111T195822_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T201248_20221111T201729_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T203434_20221111T203510_E001	Backscatter Error (Retracker 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_20221111T204621_20221111T205304_E001	Backscatter Error (Retracker 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_20221111T210548_20221111T210802_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T212556_20221111T212638_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T212638_20221111T212748_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T213021_20221111T213713_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T215653_20221111T215724_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T215727_20221111T215928_E001	Backscatter Error (Retracker 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_20221111T221318_20221111T221431_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T223051_20221111T223115_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T223135_20221111T223313_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T223322_20221111T223356_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T230312_20221111T230352_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T230420_20221111T230437_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T230903_20221111T231500_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T231503_20221111T231614_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T232955_20221111T233253_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T233403_20221111T233613_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221111T235221_20221111T235334_E001	Backscatter Error (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_220221111T000427_20221111T000500_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_20221111T001556_20221111T001926_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_220221111T004503_20221111T004734_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_220221111T005106_20221111T005113_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220221111T005456_20221111T005641_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_220221111T012633_20221111T013724_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_20221111T022346_20221111T022517_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_220221111T023356_20221111T023530_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_220221111T031135_20221111T031317_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_220221111T031355_20221111T031503_E001	Backscatter Error (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_220221111T032239_20221111T032304_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_220221111T040403_20221111T040517_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_220221111T041054_20221111T041235_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220221111T041256_20221111T041412_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_220221111T045059_20221111T045135_E001	Backscatter Error (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_220221111T045229_20221111T045252_E001	Backscatter Error (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_220221111T050207_20221111T050231_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_220221111T050240_20221111T050304_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_220221111T050458_20221111T050607_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_220221111T052215_20221111T052325_E001	Backscatter Error (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_220221111T054318_20221111T054440_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_220221111T054950_20221111T055259_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_220221111T072407_20221111T072651_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_220221111T072854_20221111T073422_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_220221111T081347_20221111T081418_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_220221111T081947_20221111T082417_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_220221111T090328_20221111T090604_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_220221111T090804_20221111T090916_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220221111T091306_20221111T091446_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_20221111T094151_20221111T094448_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_220221111T095850_20221111T100000_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_220221111T100115_20221111T100304_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_220221111T102744_20221111T103703_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_220221111T103833_20221111T103838_E001	Backscatter Error (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_220221111T104051_20221111T104414_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_220221111T105209_20221111T105357_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_20221111T111902_20221111T112258_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_220221111T113809_20221111T114310_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_20221111T114317_20221111T114357_E001	Backscatter Error (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_220221111T122055_20221111T122244_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_220221111T122456_20221111T122516_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20221111T123059_20221111T123321_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_220221111T125859_20221111T130250_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_220221111T131145_20221111T131202_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_220221111T131259_20221111T131333_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_20221111T131814_20221111T132233_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_20221111T140027_20221111T140207_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_220221111T140319_20221111T140454_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20221111T140925_20221111T141210_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_220221111T150016_20221111T150446_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_20221111T154030_20221111T154405_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_20221111T154941_20221111T155056_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_20221111T161848_20221111T162043_E001	Backscatter Error (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_220221111T162740_20221111T162838_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_220221111T163101_20221111T163128_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_220221111T163915_20221111T164054_E001	Backscatter Error (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_20221111T164155_20221111T164326_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_20221111T171950_20221111T172310_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_20221111T172823_20221111T172947_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_20221111T175008_20221111T175325_E001	Backscatter Error (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_20221111T181037_20221111T181151_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_220221111T185703_20221111T190019_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_20221111T190727_20221111T190835_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_220221111T194624_20221111T194732_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_220221111T194954_20221111T195105_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_220221111T203510_20221111T203651_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_220221111T204430_20221111T204620_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_20221111T212748_20221111T213020_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_20221111T214343_20221111T214722_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_20221111T221431_20221111T221617_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_20221111T222302_20221111T222953_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_20221111T223115_20221111T223135_E001	Backscatter Error (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_20221111T225141_20221111T225303_E001	Backscatter Error (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_20221111T230015_20221111T230137_E001	Backscatter Error (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_20221111T230352_20221111T230420_E001	Backscatter Error (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_20221111T230437_20221111T230903_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_20221111T232531_20221111T232833_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_220221111T235335_20221111T235619_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