

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

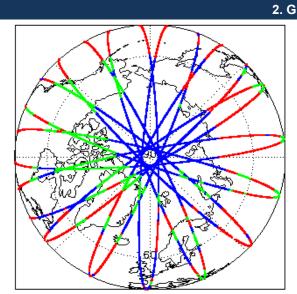
<u>20/01/2022</u>

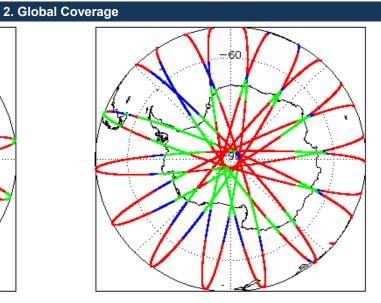
# IDEAS-QA4E0

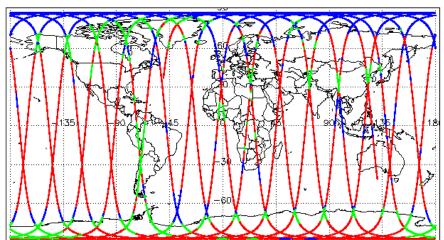
1		rview	
	0.00		

Report Production Date:	22-Feb-2022	Check	Status
Report Production Date:	22-Feb-2022	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal
Processor Used.	CryoSal ice Processor	Product Software Check	Nominal
Data Used:	L1B and L2 OFFLINE Data	Product Format Check	Nominal
Dala Useu.	LIB and L2 OFFLINE Data	Product Header Analysis	Nominal
		Star Tracker Usage Check	Nominal
		L1B Tracking Flag Check	See Section 4.4
		L1B Calibration Usage Check	Nominal
		L1B & L2 Auxiliary Data File Usage Check	Nominal
		L1B & L2 Auxiliary Correction Error Check	Nominal
		L1B & L2 Measurement Confidence Data Check	See Section 4.8 and 5.5
		QCC Errors/ Warnings	See Section 6.1, 6.2 and 6.3

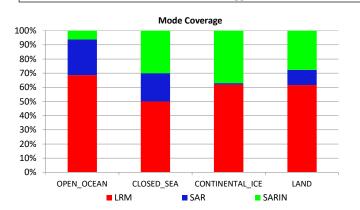
Mission / Instru	iment News
19-Jan-2022	None
20-Jan-2022	None
21-Jan-2022	Nothing planned
	•

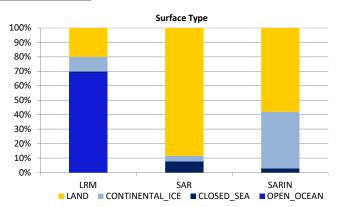






Mode Coverage (%)				
	LRM	66.3		
	SAR	19.3		
	SADIn	14.4		





# 3. Instrument Configuration

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

SIRAL - A

0

0

SIRAL instrument(s) in use:

4. Level 1B Data Quality Check

### 4.1 L1B Product Format Check

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

Number of products with errors:

### 4.2 L1B Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

#### 4.3 Star Tracker Usage Check

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

Number of products with errors:

# 4.4 L1B Tracking Flags Check

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

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

#### Number of products with errors: 154

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20220119T235256_20220120T000830_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T001032_20220120T001954_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T002252_20220120T002338_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T002341_20220120T002346_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T002351_20220120T002506_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T002508_20220120T002511_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T002513_20220120T002518_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T002521_20220120T002523_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T002527_20220120T002539_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T002542_20220120T002554_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T002559_20220120T002649_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T002653_20220120T002657_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T002659_20220120T002704_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T002706_20220120T003017_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T004523_20220120T004553_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T004749_20220120T005915_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T010519_20220120T010549_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T011509_20220120T011638_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T012220_20220120T013015_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T015553_20220120T015706_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T020103_20220120T020221_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T020224_20220120T020231_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T020233_20220120T020245_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T020250_20220120T020313_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T020315_20220120T020332_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T020337_20220120T020400_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T020406_20220120T020409_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T020412_20220120T020413_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T020416_20220120T020424_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T020429_20220120T020501_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T020504_20220120T020541_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T020543_20220120T020601_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T020604_20220120T020610_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T020613_20220120T020618_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T020620_20220120T020634_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T020637_20220120T020951_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T022501_20220120T023942_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T030322_20220120T030905_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T031143_20220120T033703_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T034054_20220120T034544_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T034559_20220120T034639_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T034639_20220120T034715_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T040037_20220120T040117_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T040241_20220120T040538_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T040830_20220120T043620_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T045043_20220120T051831_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T051833_20220120T051856_E001	Loss of echo	The tracking echo is missing for one or more records

CS\_OFFL\_SIR\_LRM\_1B\_20220120T051858\_20220120T051904\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T051908\_20220120T051955\_E001 CS OFFL SIR LRM 1B 20220120T052000 20220120T052003 E001 CS OFFL SIR LRM 1B 20220120T052005 20220120T052012 E001 CS OFFL SIR LRM 1B 20220120T052016 20220120T052239 E001 CS OFFL SIR LRM 1B 20220120T052313 20220120T052535 E001 CS OFFL SIR LRM 1B 20220120T063910 20220120T064506 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T064618\_20220120T065311\_E001 CS OFFL SIR LRM 1B 20220120T065847 20220120T065941 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T065954\_20220120T070118\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T072144\_20220120T075541\_E001 CS OFFL SIR LRM 1B 20220120T083129 20220120T083623 E001 CS OFFL SIR LRM 1B 20220120T083657 20220120T083722 E001 CS OFFL SIR LRM 1B 20220120T083725 20220120T083836 E001 CS OFFL SIR LRM 1B 20220120T085748 20220120T085754 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T085940\_20220120T092130\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T093824\_20220120T094116\_E001 CS OFFL SIR LRM 1B 20220120T103622 20220120T103724 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T103727\_20220120T103730\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T103739\_20220120T103746\_E001 CS OFFL SIR LRM 1B 20220120T103748 20220120T103805 E001 CS OFFL SIR LRM 1B 20220120T103807 20220120T103825 E001 CS OFFL SIR LRM 1B 20220120T105534 20220120T105707 E001 CS OFFL SIR LRM 1B 20220120T105709 20220120T105712 E001 CS OFFL SIR LRM 1B 20220120T105714 20220120T111313 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T113110\_20220120T114353\_E001 CS OFFL SIR LRM 1B 20220120T121538 20220120T121538 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T121541\_20220120T121545\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T121547\_20220120T121647\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T121651\_20220120T121652\_E001 CS OFFL SIR LRM 1B 20220120T121659 20220120T121702 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T121704\_20220120T121707\_E001 CS OFFL SIR LRM 1B 20220120T121715 20220120T121908 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T121911\_20220120T122147\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T122526\_20220120T123458\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T123733\_20220120T125208\_E001 CS OFFL SIR LRM 1B 20220120T131119 20220120T131127 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T131202\_20220120T131439\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T131806\_20220120T131814\_E001 CS OFFL SIR LRM 1B 20220120T131816 20220120T131939 E001 CS OFFL SIR LRM 1B 20220120T132522 20220120T132945 E001 CS OFFL SIR LRM 1B 20220120T133108 20220120T133815 E001 CS OFFL SIR LRM 1B 20220120T135429 20220120T135936 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T135939\_20220120T135951\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T140010\_20220120T140328\_E001 CS OFFL SIR LRM 1B 20220120T140332 20220120T140334 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T140637\_20220120T140747\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T140750\_20220120T140759\_E001 CS OFFL SIR LRM 1B 20220120T143426 20220120T143845 E001 CS OFFL SIR LRM 1B 20220120T143907 20220120T144048 E001 CS OFFL SIR LRM 1B 20220120T144502 20220120T150944 E001 CS OFFL SIR LRM 1B 20220120T150947 20220120T151940 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T153649\_20220120T154120\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T154521\_20220120T161058\_E001 CS OFFL SIR LRM 1B 20220120T161807 20220120T162131 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T171432\_20220120T171934\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T172027\_20220120T172230\_E001 CS OFFL SIR LRM 1B 20220120T172234 20220120T172947 E001 CS OFFL SIR LRM 1B 20220120T172950 20220120T175037 E001 CS OFFL SIR LRM 1B 20220120T175230 20220120T180039 E001 CS OFFL SIR LRM 1B 20220120T185230 20220120T185314 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T185559\_20220120T185935\_E001 CS OFFL SIR LRM 1B 20220120T185952 20220120T190011 E001 CS OFFL SIR LRM 1B 20220120T190013 20220120T190026 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T190303\_20220120T190426\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T190610\_20220120T191105\_E001 CS OFFL SIR LRM 1B 20220120T191125 20220120T191611 E001 CS OFFL SIR LRM 1B 20220120T191717 20220120T191922 E001 CS OFFL SIR LRM 1B 20220120T201951 20220120T202000 E001 CS OFFL SIR LRM 1B 20220120T203734 20220120T203847 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T203854\_20220120T203911\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T203922\_20220120T204004\_E001 CS OFFL SIR LRM 1B 20220120T204115 20220120T204614 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T211314\_20220120T211630\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220120T212832\_20220120T215033\_E001 Loss of echo Loss of echo l oss of echo Loss of echo oss of echo 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_20220120T215759_20220120T215803_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T215806_20220120T215808_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T215811_20220120T215850_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T215852_20220120T215858_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T215902_20220120T215908_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T215911_20220120T215957_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T221248_20220120T221948_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T225343_20220120T225537_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T230854_20220120T231718_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T231749_20220120T231856_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T231859_20220120T231910_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T231913_20220120T232000_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T232240_20220120T233021_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233314_20220120T233332_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233334_20220120T233336_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233344_20220120T233344_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233346_20220120T233350_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233432_20220120T233451_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233454_20220120T233504_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233507_20220120T233508_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233511_20220120T233513_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233515_20220120T233556_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233558_20220120T233602_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233604_20220120T233609_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233612_20220120T233745_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233748_20220120T233753_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233803_20220120T233808_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233818_20220120T233835_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233842_20220120T233844_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233900_20220120T233912_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233914_20220120T233917_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220120T233919_20220120T233929_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:

# 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 (field 54) 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 (field 18) 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 Flag: This flag is currently set for all L1B SARIn products, indicating that the ADC correction application is deactivated, but this is in line with the current configuration. Number of products with errors: 0

# 5. Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a NetCDF product file (.nc). Number of products with errors: 0

#### 5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

Number of products with errors.

# 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

## 5.4 L2 Auxiliary Correction Error Check

CryoSat L2 data includes a correction error flag (field 30) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

# 5.5 L2 Measurement Quality Flag Check

CryoSat L2 data includes a quality flag (field 50) 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.

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.

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.

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

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

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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220220119T235256_20220120T000830_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_220220120T001032_20220120T001954_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_220220120T004523_20220120T004553_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_220220120T004749_20220120T005915_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_220220120T010519_20220120T010549_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220120T011509_20220120T011638_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_220220120T013238_20220120T014737_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_220220120T022501_20220120T023942_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_220220120T023945_20220120T025817_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_220220120T031143_20220120T033703_E001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220120T040830_20220120T043620_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_220220120T045043_20220120T051831_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_220220120T052752_20220120T052837_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_220220120T054250_20220120T061539_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_220220120T072144_20220120T075541_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_220220120T080829_20220120T082812_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_220220120T083657_20220120T083722_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_220220120T085940_20220120T092130_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_220220120T092240_20220120T093337_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_220220120T094922_20220120T101632_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_220220120T101647_20220120T102354_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_220220120T104035_20220120T105052_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_220220120T105534_20220120T105707_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_220220120T105714_20220120T111313_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_220220120T113110_20220120T114353_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_220220120T114607_20220120T115835_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_220220120T122526_20220120T123458_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_220220120T123733_20220120T125208_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_220220120T131202_20220120T131439_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_220220120T131816_20220120T131939_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_220220120T132522_20220120T132945_E001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220120T133108_20220120T133815_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_220220120T140010_20220120T140328_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220120T141056_20220120T141207_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_220220120T141418_20220120T143125_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_220220120T144502_20220120T150944_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_220220120T154521_20220120T161058_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_220220120T162430_20220120T165206_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_220220120T172234_20220120T172947_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_220220120T172950_20220120T175037_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_220220120T180426_20220120T183809_E001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220220120T185230_20220120T185314_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_220220120T190303_20220120T190426_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_220220120T194308_20220120T200539_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_220220120T200825_20220120T201756_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220220120T204115_20220120T204614_E001	(Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220220120T204947_20220120T205431_E001	(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_220220120T205620_20220120T210758_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_220220120T212254_20220120T212823_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220220120T212832_20220120T215033_E001	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_220220120T221248_20220120T221948_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_220220120T222011_20220120T224408_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_220220120T230208_20220120T230800_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220220120T230854_20220120T231718_E001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records
CS_OFFL_SIR_LRM_220220120T231749_20220120T231856_E001	Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220220120T231913_20220120T232000_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_220220120T232240_20220120T233021_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_220220120T233900_20220120T233912_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_SAR_220220120T000831_20220120T001032_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220120T003018_20220120T003341_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220120T003341_20220120T003653_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220120T004107_20220120T004311_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220120T004337_20220120T004523_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220120T004553_20220120T004748_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220120T011850_20220120T011857_E001	Backscatter Error (Retracker 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_20220120T013203_20220120T013238_E001
CS_OFFL_SIR_SAR_2_20220120T014738_20220120T015527_E001
CS_OFFL_SIR_SAR_220220120T020952_20220120T021612_E001
CS_OFFL_SIR_SAR_220220120T022114_20220120T022120_E001
CS_OFFL_SIR_SAR_2_20220120T022201_20220120T022412_E001
CS_OFFL_SIR_SAR_220220120T025817_20220120T025900_E001
CS OFFL SIR SAR 2 20220120T031127 20220120T031142 E001
CS_OFFL_SIR_SAR_2_20220120T034730_20220120T0349499_E001
CS_OFFL_SIR_SAR_220220120T035006_20220120T035102_E001
CS_OFFL_SIR_SAR_220220120T035137_20220120T035618_E001
CS_OFFL_SIR_SAR_2_20220120T043621_20220120T043832_E001
CS_OFFL_SIR_SAR_2_20220120T045016_20220120T045042_E001
CS_OFFL_SIR_SAR_2_20220120T052536_20220120T052752_E001
CS_OFFL_SIR_SAR_2_20220120T052838_20220120T053820_E001
CS OFFL SIR SAR 2 20220120T061540 20220120T061836 E001
CS_OFFL_SIR_SAR_2_20220120T062903_20220120T062930_E001
CS_OFFL_SIR_SAR_2_20220120T063533_20220120T063909_E001
CS_OFFL_SIR_SAR_2_20220120T065619_20220120T065652_E001
CS_OFFL_SIR_SAR_2_20220120T070217_20220120T070540_E001
CS_OFFL_SIR_SAR_2_20220120T070819_20220120T070904_E001
CS_OFFL_SIR_SAR_2_20220120T070932_20220120T071719_E001
CS_OFFL_SIR_SAR_220220120T072130_20220120T072143_E001
CS_OFFL_SIR_SAR_2_20220120T075542_20220120T075756_E001
CS_OFFL_SIR_SAR_220220120T080754_20220120T080828_E001
CS_OFFL_SIR_SAR_220220120T083624_20220120T083657_E001
CS_OFFL_SIR_SAR_220220120T083836_20220120T084141_E001
CS_OFFL_SIR_SAR_220220120T084142_20220120T084841_E001
CS_OFFL_SIR_SAR_220220120T084955_20220120T085748_E001
CS_OFFL_SIR_SAR_220220120T085755_20220120T085940_E001
CS_OFFL_SIR_SAR_220220120T092131_20220120T092240_E001
CS_OFFL_SIR_SAR_220220120T093338_20220120T093509_E001
CS_OFFL_SIR_SAR_220220120T094641_20220120T094725_E001
CS_OFFL_SIR_SAR_220220120T094756_20220120T094922_E001
CS_OFFL_SIR_SAR_2_20220120T101633_20220120T101647_E001
CS_OFFL_SIR_SAR_2_20220120T102354_20220120T102427_E001
CS_OFFL_SIR_SAR_220220120T102909_20220120T103622_E001
CS_OFFL_SIR_SAR_220220120T103908_20220120T104034_E001
CS_OFFL_SIR_SAR_220220120T105053_20220120T105533_E001
CS_OFFL_SIR_SAR_220220120T111314_20220120T111316_E001
CS_OFFL_SIR_SAR_220220120T112427_20220120T113109_E001
CS_OFFL_SIR_SAR_2_20220120T114513_20220120T114606_E001
CS_OFFL_SIR_SAR_2_20220120T115836_20220120T120029_E001
CS_OFFL_SIR_SAR_2_20220120T120236_20220120T120551_E001
CS_OFFL_SIR_SAR_2_20220120T120824_20220120T121530_E001
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CS_OFFL_SIR_SAR_2_20220120T123545_20220120T123733_E001
CS_OFFL_SIR_SAR_2_20220120T125208_20220120T125236_E001
CS_OFFL_SIR_SAR_2_20220120T130857_20220120T130921_E001
CS_OFFL_SIR_SAR_2_20220120T130941_20220120T131118_E001
CS_OFFL_SIR_SAR_220220120T131128_20220120T131202_E001
CS_OFFL_SIR_SAR_220220120T133941_20220120T134155_E001
CS_OFFL_SIR_SAR_220220120T134224_20220120T134240_E001
CS_OFFL_SIR_SAR_2_20220120T134707_20220120T135428_E001
CS_OFFL_SIR_SAR_2_20220120T140800_20220120T141055_E001
CS_OFFL_SIR_SAR_2_20220120T141207_20220120T141256_E001
CS_OFFL_SIR_SAR_2_20220120T141256_20220120T141418_E001
CS_OFFL_SIR_SAR_2_20220120T143125_20220120T143140_E001
CS_OFFL_SIR_SAR_220220120T144356_20220120T144501_E001
CS_OFFL_SIR_SAR_220220120T152530_20220120T153412_E001
CS_OFFL_SIR_SAR_220220120T161058_20220120T161122_E001
CS_OFFL_SIR_SAR_220220120T162250_20220120T162406_E001
CS_OFFL_SIR_SAR_220220120T162422_20220120T162430_E001
CS_OFFL_SIR_SAR_220220120T165207_20220120T165331_E001
CS_OFFL_SIR_SAR_2_20220120T170224_20220120T171001_E001
CS_OFFL_SIR_SAR_2_20220120T171022_20220120T171135_E001
CS_OFFL_SIR_SAR_220220120T171230_20220120T171244_E001
CS_OFFL_SIR_SAR_220220120T171310_20220120T171432_E001
CS_OFFL_SIR_SAR_2_20220120T175038_20220120T175105_E001
CS_OFFL_SIR_SAR_2_20220120T180153_20220120T180425_E001
CS_OFFL_SIR_SAR_2_20220120T184156_20220120T184819_E001
CS_OFFL_SIR_SAR_2_20220120T184820_20220120T185114_E001
CS_OFFL_SIR_SAR_220220120T185516_20220120T185559_E001
CS_OFFL_SIR_SAR_2_20220120T190243_20220120T190302_E001
CS_OFFL_SIR_SAR_2_20220120T191949_20220120T192148_E001
CS_OFFL_SIR_SAR_2_20220120T193008_20220120T193044_E001
CS_OFFL_SIR_SAR_220220120T194036_20220120T194308_E001
CS_OFFL_SIR_SAR_220220120T200540_20220120T200824_E001
CS_OFFL_SIR_SAR_220220120T201757_20220120T201951_E001
CS_OFFL_SIR_SAR_2_20220120T202014_20220120T202719_E001
CS_OFFL_SIR_SAR_220220120T202719_20220120T202859_E001
CS_OFFL_SIR_SAR_220220120T202925_20220120T202955_E001
CS_OFFL_SIR_SAR_220220120T203030_20220120T203101_E001
CS_OFFL_SIR_SAR_220220120T203358_20220120T203734_E001
CS_OFFL_SIR_SAR_2_20220120T204005_20220120T204114_E001
CS_OFFL_SIR_SAR_2_20220120T205432_20220120T205619_E001
CS_OFFL_SIR_SAR_220220120T210758_20220120T210902_E001
CS_OFFL_SIR_SAR_220220120T210942_20220120T211028_E001
CS_OFFL_SIR_SAR_220220120T212006_20220120T212254_E001
CS_OFFL_SIR_SAR_220220120T215034_20220120T215124_E001
CS_OFFL_SIR_SAR_220220120T215415_20220120T215758_E001

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Control         Control <t< td=""><td>CS_OFFL_SIR_SAR_220220120T215957_20220120T220118_E001</td><td>Backscatter Error (Retracker 3)</td><td>There is a backscatter error for Retracker 2 and 3 for one or more records</td></t<>	CS_OFFL_SIR_SAR_220220120T215957_20220120T220118_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
Des UN-S IN M. 2. 2020/07/2020 42/2018/07/2020 500         Rescuent man (handword)         The S is decident and in (handword)           D. OVER, SME ALL 2020/07/2020 42/2018/07/2020 500         Rescuent man (handword)         The S is decident and in (handword)           D. OVER, SME ALL 2020/07/2020 42/2018/07/2020 500         Rescuent man (handword)         The S is decident and in (handword)           D. OVER, SME ALL 2020/07/2020 42/2018/07/2020 500         Rescuent man (handword)         The S is decident and in (handword)           D. OVER, SME ALL 2020/07/2020 42/2018/07/2020 500         Rescuent man (handword)         The S is decident and in (handword)           D. OVER, SME ALL 2020/07/2020 42/2018/07/2020 500         Rescuent man (handword)         The S is decident and in (handword)           D. OVER, SME ALL 2020/07/2020 42/2018/07/2020 500         Rescuent man (handword)         The S is decident and in finance 2 and 3 for one more reset to 10           D. OVER, SME ALL 2020/07/2020 42/2018/07/2020 500         Rescuent man (handword)         The S is decident and in finance 2 and 3 for one more reset to 10           D. OVER, SME ALL 2020/07/2020 42/2018/07/2020 500         Rescuent man (handword)         The S is decident and in finance 2 and 3 for one more reset to 10           D. OVER, SME ALL 2020/07/2020 42/2018/07/2020 500         Rescuent man (handword)         The S is decident and in finance 2 and 3 for one more reset to 10           D. OVER, SME ALL 2020/07/2020 42/2018/2017/2010 500         Rescuent man (handword)	CS_OFFL_SIR_SAR_220220120T220132_20220120T220618_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
Carl, Jun, Jun, Z. 2020/07/2014/ 2010/07/2010/02/2010/07/2010/02/2010/07/2010/02/2010/07/2010/02/2010/07/2010/02/2010/07/2010/02/2010/07/2010/02/2010/07/2010/02/2010/07/2010/02/2010/07/2010/02/2010/07/2010/02/2010/07/2010/02/2010/07/2010/02/2010/07/2010/02/2010/07/2010/02/2010/07/2010/02/2010/07/2010/02/2010/02/2010/02/2010/02/	CS_OFFL_SIR_SAR_2_20220120T220619_20220120T220740_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
Col, M. L., SK, M. L., ZUZZI (2012)         Baschard and J. (2014)         Maschard and J. (2014)           Col, M. L., SK, M. L., ZUZZI (2012)         Baschard and J. (2014)         Maschard and J. (2014)           Col, M. L., SK, M. L., ZUZZI (2012)         Baschard and J. (2014)         Maschard and J. (2014)           Col, M. L., SK, M. L., ZUZZI (2012)         Baschard and J. (2014)         Maschard and J. (2014)           Col, M. L., SK, M. L., ZUZZI (2012)         Baschard and J. (2014)         Maschard and J. (2014)           Col, M. L., SK, M. L., ZUZZI (2012)         Baschard and J. (2014)         Maschard and J. (2014)           Col, M. L., SK, M. L., ZUZZI (2012)         Baschard and J. (2014)         Maschard and J. (2014)           Col, M. L., SK, M. L., ZUZZI (2012)         Baschard and J. (2014)         Maschard and J. (2014)           Col, M. L., SK, M. L., ZUZZI (2012)         Baschard and J. (2014)         Maschard and J. (2014)           Daschard and J. (2014)         Baschard and J. (2014)         Maschard and J. (2014)           Daschard and J. (2014)         Baschard and J. (2014)         Maschard and J. (2014)           Daschard and J. (2014)         Baschard and J. (2014)         Maschard and J. (2014)           Daschard and J. (2014)         Baschard and J. (2014)         Maschard and J. (2014)           Daschard and J. (2014)         Baschard and J. (2014)         Maschard and J. (20	CS_OFFL_SIR_SAR_2_20220120T220812_20220120T220901_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
Call, Dire, James, Z., Audon 2011/2010, 2001 1972 2004, DOI         Beckendler (inv (Researce 3))         Note 3 a construction of the finance 2 and 3 for our more meanses           Call, Chin, Jim, Audon 2, 2000 1972 2004, DOI         Beckendler (inv (Researce 3))         Them is a backendler our of the finance 2 and 3 for our more meanses           Call, Chin, Jim, Audon 2, 2000 1972 2004, DOI         Beckendler (inv (Researce 3))         Them is a backendler our of the finance 2 and 3 for our more meanses           Call, Chin, Jim, Audon 2, 2000 1972 2004, DOI         Beckendler (inv (Researce 3))         Them is a backendler our of the finance 2 and 3 for our more meanses           Call, Chin, Jim, Sunk 2, 2000 1972 2004, DOI         Beckendler (inv (Researce 3))         Them is a backendler our of the finance 2 and 3 for our more meanses           Call, Chin, Jim, Sunk 2, 2000 1972 2004, DOI         Beckendler Chin (Researce 3)         Them is a backendler our of the finance 2 and 3 for our more meanses           Call, Chin, Jim, Audon 2, 2000 1977 2014, DOI         Beckendler Chin (Researce 3)         Them is a backendler our of the finance 2 and 3 for our more meanses           Call, Chin, Jim, Audon 2, 2000 1977 2014, DOI         Beckendler Chin (Researce 3)         Them is a backendler our of the finance 2 and 3 for our more meanses           Call, Chin, Jim, Audon 2, 2000 1977 2014, DOI 1071 2014,	CS_OFFL_SIR_SAR_2_20220120T220951_20220120T221141_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
Col, D., Col, C., Cold, D. (2012)       Cold, D. (2012)       The second	CS_0FFL_SIR_SAR_220220120T221949_20220120T222010_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
Col, DTL, STR, LA, 2020 D120002, 2020 D120002, 2020         Balactacher trey (Restaurs 2), and the set of balactacher and by (Restaurs 2), and the set of balacher and by (Restaurs 2), and th	CS_OFFL_SIR_SAR_220220120T224408_20220120T225108_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
Co. Chill, Bink J., 2020/10/12/2010, 2020/07/2010, 2020/07/2020, 2001 Co. Chill, Bink J., 2020/10/12/2010, 2020/07/2040, 2001 Co. Chill, Bink J., 2020/10/12/2010, 2020/07/2040, 2001 Co. Chill, Bink J., 2020/10/10/2010, 2002/10/10/2010, 2001 Co. Chill, Bink J., 2020/10/10/2010, 2001 Co. Chill, Bink J., 2020/10/10/2010, 2001 Co. Chill, Bink J., 2020/10/10	CS_OFFL_SIR_SAR_2_20220120T230202_20220120T230208_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CPU FULSHING         Execution Term (Periodics 2)         The Security CPU FULSHING 2000 FOR Security CPU FULSHING 2000 FOR SECURITY	CS_OFFL_SIR_SAR_220220120T230800_20220120T230853_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
Case_Unitset_Set_Set	CS_0FFL_SIR_SAR_220220120T231718_20220120T231748_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
Column Control         Column Control         Column Control         Column Control           COLUMN Control         Additionation from (Resource) and Column Control         Column Control         Column Control           COLUMN Control         Additionation from (Resource) and Column Control         Column Control         Column Control           COLUMN Control         Additionation from (Resource) and Column Control         Column Control         Column Control           Column Control         Column Control         Column Control         Column Control         Column Control           Column Control         Column Contro         Column Contro         Colu	CS_OFFL_SIR_SAR_220220120T232000_20220120T232240_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
Column Control         Decision for projection (Control	CS_0FFL_SIR_SAR_220220120T233021_20220120T233130_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CC_UFL_SIN_SIN_2_20220120100165_0220120102222_E01         Backscatter Error (Restacker 3) Backscatter Error (Restacker 3) Back	CS_OFFL_SIR_SAR_220220120T233930_20220120T234502_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CB_OFTL_SIN_SIN_2_0220120T001955_0220120T002552_E001       Badecater Free (Reinster 1), and marked and an analyzing and growthe bade and an analyzing and growthe bade and an analyzing and growthe bade and analyzing and growthe bade analyzingrowthe growthe bade analyzing and growthe ba	CS_OFFL_SIR_SAR_2_20220120T234502_20220120T234614_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CBL_OFFL_SR_SN_2_20220100T003052_0020100T00305_E01       Backcatter Error (Pottacker 2), SARAN       United to a factor 2 and a mitigatos angle stack while Error (Pottacker 2), SARAN         CBL_OFFL_SR_SN_2_20220100T003052_0020100T004010_E001       Backcatter Error (Pottacker 2), SARAN       SARAN       There is a backcatter error for Retracker 2 and 3 an intigatos angle stack while Error (Pottacker 2), SARAN       SARAN       There is a backcatter error for Retracker 2 and 3 an intigatos angle stack while Error (Pottacker 2), SARAN       SARAN       There is a backcatter error for Retracker 2 and 3 an intigatos angle stack while Error (Pottacker 2), SARAN       SARAN       There is a backcatter error for Retracker 2 and 3 an intigatos angle stack while Error (Pottacker 2), SARAN       SARAN       There is a backcatter error for Retracker 2 and 3 an intigatos angle stack while Error (Pottacker 2), SARAN       SARAN       There is a backcatter error for Retracker 2 and 3 an intigatos angle stack while Error (Pottacker 2), SARAN       SARAN       There is a backcatter error for Retracker 2 and 3 an intigatos angle stack backarder Error (Pottacker 2), SARAN       SARAN       There is a backcatter error for Retracker 2 and 3 an intigatos angle stack backarder Error (Pottacker 2), SARAN       SARAN         CS_OFFL_SR_SN_2_2022012017015312_02201201701337_E001       Backcatter Error (Pottacker 2), SARAN       SARAN       There is a backcatter error for Retracker 2 and 3 an intigatos angle stack databacter error for Retracker 2 and 3 an intigatos angle stack databacter error for Retracker 2 and 3 an intigatos angle stack databacter error for Retracker 2 and 3 an intigatos angle stack databacter error for Retracker 2 and 3 an intigato	CS_OFFL_SIR_SIN_220220120T001955_20220120T002252_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	was detected for SARIn mode, and no DEM or Slope Model was used for
CS_OFFL_SIR_SIN_2_202201201003919_202201201004107_E001 Beocatter Error (Retacker 3), SARIN, Xuyge Error Beocatter Error (Retacker 3), S	CS_OFFL_SIR_SIN_220220120T003653_20220120T003803_E001	Backscatter Error (Retracker 3), SARIn X	
G6, OFFL_SIR_SIN_2_a2221207010500_202201207011642_E001       Backstater Error (Retracker 2), and analyzous angle was detected for SARIn mode for one or more records.         C8_OFFL_SIR_SIN_2_a22201207011630_202201207011642_E001       Backstater Error (Retracker 2), Backstat	CS_OFFL_SIR_SIN_220220120T003919_20220120T004107_E001	Backscatter Error (Retracker 3), SARIn X	
CS_OFFL_SIR_SIN_2_0220120T0132_220_E001       Backscatter Error (Retracker 3)       Inforts is a backscatter error for Retracker 3)         CS_OFFL_SIR_SIN_2_0220120T013157_0220120T013220_E001       Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2), BBackscatter Error (Retracker 2), BBa	CS_OFFL_SIR_SIN_220220120T010550_20220120T011508_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	was detected for SARIn mode, and no DEM or Slope Model was used for
CS_OFFL_SIR_SIN_2_20220120T011857_20220120T012220_E001       Backscatter Error (Retracker 2), BARIN mode for one or more records         CS_OFFL_SIR_SIN_2_20220120T013015_20220120T013137_E001       Backscatter Error (Retracker 2), BARIN mode for one or more records         CS_OFFL_SIR_SIN_2_20220120T013138_20220120T013203_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Error (Retracker 3), Error (Retracker 3), Error (Retracker 3), Backscatter Error (R	CS_OFFL_SIR_SIN_220220120T011639_20220120T011642_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20220120T013015_20220120T01313_E001       Backscatter Error (Retracker 2.) Backscatter Error (Retracker 3.) Backscatter Error (Retracker 3.)	CS_OFFL_SIR_SIN_220220120T011857_20220120T012220_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error	
CS_OFFL_SIR_SIN_2_20220120103513_20220120103305_E001       Backscatter Error (Retracker 3)       Intere is a backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SIN_2_2022012010107021613_202201201022103       Backscatter Error (Retracker 3).       An ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for one or more records         CS_OFFL_SIR_SIN_2_202201201022112_00201201022103_E001       Backscatter Error (Retracker 2).       Backscatter Error (Retracker 2).         Backscatter Error (Retracker 2).       Backscatter Error (Retracker 2).       Backscatter Error (Retracker 2).         Backscatter Error (Retracker 2).       Backscatter Error (Retracker 2).       Backscatter Error (Retracker 2).         Backscatter Error (Retracker 2).       Backscatter Error (Retracker 2).       Backscatter Error (Retracker 2).         Backscatter Error (Retracker 2).       Backscatter Error (Retracker 2).       Backscatter Error (Retracker 2).         Backscatter Error (Retracker 2).       Backscatter Error (Retracker 2).       Backscatter Error (Retracker 2).         Backscatter Error (Retracker 2).       Backscatter Error (Retracker 2).       Backscatter Error (Retracker 2).         Backscatter Error (Retracker 2).       Backscatter Error (Retracker 2).       Backscatter Error (Retracker 2).         Backscatter Error (Retracker 2).       Backscatter Error (Retracker 2).       Backscatter Error (Retracker 2).         Backscatter Error (Retracker 2).	CS_OFFL_SIR_SIN_220220120T013015_20220120T013137_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_20220120T021013_20220120T022113_E001     model unavailable     Model was used for one or more records       CS_OFFL_SIR_SIN_2_20220120T021013_20220120T022113_E001     Backscatter Error (Retracker 3). SARIN X track Angle Error, Surface model unavailable     There is a backscatter error for Retracker 2 and 3 on embiguous angle decleted for SARIN mode. and no DEM or Slope Model was used for the location for one or more records       CS_OFFL_SIR_SIN_2_20220120T022121_20220120T022200_E001     Backscatter Error (Retracker 2). Backscatter Error (Retracker 2). Backscatter Error (Retracker 2). Backscatter Error (Retracker 3).     There is a backscatter error for Retracker 2 and 3 for one or more records       CS_OFFL_SIR_SIN_2_20220120T022012_000000_E001     Backscatter Error (Retracker 2). Backscatter Error (Retracker 3).     There is a backscatter error for Retracker 2 and 3 dor one or more records       CS_OFFL_SIR_SIN_2_20220120T025001_20220120T030000_E001     Backscatter Error (Retracker 3). Backscatter Error (Retracker 3).     There is a backscatter error for Retracker 2 and 3 dor one or more records       CS_OFFL_SIR_SIN_2_20220120T030001_20220120T030002_E001     SARIN X-track Angle Error     An ambiguous angle was detected for SARIN mode for one or more records       CS_OFFL_SIR_SIN_2_20220120T030005_20220120T031127_E001     Backscatter Error (Retracker 2). Backscatter Error (Retracker 3). SARIN X-track Angle Error     An ambiguous angle was detected for SARIN mode and no DEM or Slope Model was used for one or more records       CS_OFFL_SIR_SIN_2_20220120T033035_20220120T031037_E001     Backscatter Error (Retracker 2). SARIN X-track Angle Error     An ambiguous angle was detected for S	CS_OFFL_SIR_SIN_220220120T013138_20220120T013203_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20220120T021613_20220120T022113_E001       Backscatter Error (Retracker 2), SARIn with the is a backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SIN_2_20220120T022121_20220120T022200_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN V, Track Angle Error         CS_OFFL_SIR_SIN_2_20220120T030305_20220120T031127_E001       SARIN X-track Angle Error, Surface Model was used for GRIn mode for one or more records         CS_OFFL_SIR_SIN_2_20220120T03505_E001       SARIN X-track Angle Error, Surface model unavailable       An ambiguous angle was detected for SARIn mode and no DEM or Siope Model was used for track Angle Error, Surface model unavailable         CS_OFFL_SIR_SIN_2_20220120T035005_E001       SARIN X-track Angle Error, Surface model u	CS_OFFL_SIR_SIN_220220120T015707_20220120T020102_E001		
CS_OFFL_SIR_SIN_2_202201201022141_202201201022500_E001       Backscatter Error (Retracker 3)       There is a backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SIN_2_202201201022413_20220120102500_E001       Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), SARIn X-track Angle Error       There is a backscatter error for Retracker 2 and 3 for one or more records         CS_OFFL_SIR_SIN_2_2022012010203001_202201201030050_E001       Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), SARIn X- track Angle Error       An ambiguous angle was detected for SARIn mode for one or more records         CS_OFFL_SIR_SIN_2_20220120103001_202201201030322_E001       SARIn X-track Angle Error       An ambiguous angle was detected for SARIn mode for one or more records         CS_OFFL_SIR_SIN_2_202201201030301_202201201031127_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error       An ambiguous angle was detected for SARIn mode for one or more records         CS_OFFL_SIR_SIN_2_20220120103385_202201201034054_E001       SARIn X-track Angle Error (Retracker 2), Backscatter Error	CS_OFFL_SIR_SIN_220220120T021613_20220120T022113_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	was detected for SARIn mode, and no DEM or Slope Model was used for
CS_OFFL_SIR_SIN_2_202201201025901_202201201030050_E001       Backscatter Error (Retracker 3)       Inter is a backscatter error for Retracker 2 and 3 and an ambiguous angle         CS_OFFL_SIR_SIN_2_202201201030301_202201201030050_E001       Backscatter Error (Retracker 2),       There is a backscatter error for Retracker 2 and 3 and an ambiguous angle         CS_OFFL_SIR_SIN_2_202201201030301_202201201030322_E001       SARIn X-track Angle Error       An ambiguous angle was detected for SARIn mode for one or more records         CS_OFFL_SIR_SIN_2_202201201030905_202201201031127_E001       Backscatter Error (Retracker 2),       Backscatter Error (Retracker 2),         Backscatter Error (Retracker 2),       Backscatter Error (Retracker 2),       Backscatter Error (Retracker 2),         CS_OFFL_SIR_SIN_2_202201201033835_202201201034054_E001       SARIn X-track Angle Error, Surface       An ambiguous angle was detected for SARIn mode for one or more records         CS_OFFL_SIR_SIN_2_202201201034054_E001       SARIn X-track Angle Error, Surface       An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for 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 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_202201201035103_202201201035136_E001       Backscatter Error (Retracker 3), SARIn X was d	CS_OFFL_SIR_SIN_220220120T022121_20220120T022200_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20220120T030050_E001       Backscatter Error (Retracker 3), SARin X, Interfer & a backscatter error for Retracker 2), and an antigguous angle was detected for SARIn mode for one or more records         CS_OFFL_SIR_SIN_2_20220120T030301_20220120T030322_E001       SARIn X-track Angle Error       An ambiguous angle was detected for SARIn mode for one or more records         CS_OFFL_SIR_SIN_2_20220120T030905_20220120T031127_E001       Backscatter Error (Retracker 3), SARIn X, Angle Error       An ambiguous angle was detected for SARIn mode for one or more records         CS_OFFL_SIR_SIN_2_20220120T033835_20220120T034054_E001       SARIn X-track Angle Error, Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), SARIn X, Angle Error, Surface model unavailable       An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records         CS_OFFL_SIR_SIN_2_20220120T034049_20220120T035005_E001       Backscatter Error (Retracker 2), Backscatter Error Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error Retracke	CS_OFFL_SIR_SIN_220220120T022413_20220120T022500_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_202201201030301_202201201030322_E001       SARIN A-Hack Argle End       records         CS_OFFL_SIR_SIN_2_202201201030905_20220120T031127_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN x track Argle 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_20220120T033835_20220120T034054_E001       SARIN X-track Angle Error, Surface model unavailable       An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records         CS_OFFL_SIR_SIN_2_20220120T034949_20220120T035005_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_20220120T035103_20220120T035136_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_20220120T035618_20220120T040036_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_	CS_OFFL_SIR_SIN_220220120T025901_20220120T030050_E001	Backscatter Error (Retracker 3), SARIn X	
CS_OFFL_SIR_SIN_2_20220120T030905_20220120T031127_E001       Backscatter Error (Retracker 3), SARIN X       Inere 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_20220120T033835_20220120T034054_E001       SARIN X-track Angle Error, Surface model unavailable       An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records         CS_OFFL_SIR_SIN_2_20220120T034949_20220120T035005_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_20220120T035103_20220120T035105_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_20220120T035103_20220120T035136_E001       Backscatter Error (Retracker 2), 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 track Angle Error, Surface model unavailable         CS_OFFL_SIR_SIN_2_20220120T035618_20220120T040036_E001 <td< td=""><td>CS_OFFL_SIR_SIN_220220120T030301_20220120T030322_E001</td><td></td><td></td></td<>	CS_OFFL_SIR_SIN_220220120T030301_20220120T030322_E001		
CS_OFFL_SIR_SIN_2202201201033033_202201201034034_E001       model unavailable       Model was used for one or more records         CS_OFFL_SIR_SIN_2202201201034949_202201201035005_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_2202201201035103_202201201035136_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_2202201201035618_202201201040036_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_202201201040036_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_202201201043833_202201201044013_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X       There is a backscatter error for Ret	CS_OFFL_SIR_SIN_220220120T030905_20220120T031127_E001	Backscatter Error (Retracker 3), SARIn X	
CS_OFFL_SIR_SIN_2_20220120T034949_20220120T035005_E001       Backscatter Error (Retracker 3), SARIn X, track Angle Error, Surface model unavailable       Infere 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_20220120T035103_20220120T035136_E001       Backscatter Error (Retracker 2), Backscatter error for Retracker 2), Backscatter Error (Retracker 2), 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_20220120T035618_20220120T040036_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 track Angle Error, Surface model unavailable         CS_OFFL_SIR_SIN_2_20220120T04036_E001       Backscatter Error (Retracker 2), 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_20220120T043833_20220120T044013_E001       Backscatter Error (Retracker 2), Backscatter error for Retr	CS_OFFL_SIR_SIN_220220120T033835_20220120T034054_E001		
CS_OFFL_SIR_SIN_2_20220120T035103_20220120T035136_E001       Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable       There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records         CS_OFFL_SIR_SIN_2_20220120T035618_20220120T040036_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         CS_OFFL_SIR_SIN_2_20220120T035618_20220120T040036_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         CS_OFFL_SIR_SIN_2_20220120T043833_20220120T044013_E001       Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X       There is a backscatter error for Retracker 2 and 3 and an ambiguous angle	CS_OFFL_SIR_SIN_220220120T034949_20220120T035005_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	was detected for SARIn mode, and no DEM or Slope Model was used for
CS_OFFL_SIR_SIN_2_20220120T035618_20220120T040036_E001       Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable       Name of the source of th	CS_OFFL_SIR_SIN_220220120T035103_20220120T035136_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	was detected for SARIn mode, and no DEM or Slope Model was used for
CS_OFFL_SIR_SIN_2_20220120T043833_20220120T044013_E001 Backscatter Error (Retracker 3), SARIn X Intere is a backscatter error for Retracker 2 and 3 and an ambiguous angle	CS_OFFL_SIR_SIN_2_20220120T035618_20220120T040036_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	was detected for SARIn mode, and no DEM or Slope Model was used for
	CS_OFFL_SIR_SIN_220220120T043833_20220120T044013_E001	Backscatter Error (Retracker 3), SARIn X	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records

CS_OFFL_SIR_SIN_220220120T044125_20220120T044300_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220120T044732_20220120T045016_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_220220120T053820_20220120T054249_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_20220120T061836_20220120T062211_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_20220120T062747_20220120T062902_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_20220120T065653_20220120T065847_E001	Backscatter Error (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_220220120T070544_20220120T070642_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_220220120T070905_20220120T070931_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_20220120T071719_20220120T071857_E001	Backscatter Error (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_20220120T071959_20220120T072130_E001	Backscatter Error (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_20220120T075756_20220120T080116_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_220220120T080629_20220120T080753_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_20220120T082812_20220120T083129_E001	Backscatter Error (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_20220120T084841_20220120T084955_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_220220120T093509_20220120T093824_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_220220120T094533_20220120T094640_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_220220120T102428_20220120T102429_E001	Backscatter Error (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_220220120T102429_20220120T102536_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_220220120T102758_20220120T102909_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_220220120T111316_20220120T111457_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_220220120T112236_20220120T112426_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_220220120T120552_20220120T120824_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_220220120T122147_20220120T122526_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_20220120T125237_20220120T125423_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_20220120T130108_20220120T130759_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_20220120T130921_20220120T130941_E001	Backscatter Error (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_20220120T131940_20220120T132521_E001	Backscatter Error (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_220220120T132945_20220120T133107_E001	Backscatter Error (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_20220120T133819_20220120T133941_E001	Backscatter Error (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_220220120T134156_20220120T134223_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_220220120T134241_20220120T134706_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_220220120T140335_20220120T140637_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_220220120T143141_20220120T143425_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_220220120T144049_20220120T144355_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_220220120T152142_20220120T152530_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_220220120T154121_20220120T154520_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_0FFL_SIR_SIN_220220120T161123_20220120T161237_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_0FFL_SIR_SIN_220220120T162132_20220120T162249_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_20220120T165653_20220120T170223_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_20220120T171002_20220120T171021_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_20220120T171136_20220120T171229_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_0FFL_SIR_SIN_220220120T171244_20220120T171309_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_220220120T175106_20220120T175229_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_220220120T180040_20220120T180153_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_20220120T183810_20220120T183944_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_220220120T184022_20220120T184156_E001	Backscatter Error (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_220220120T185219_20220120T185230_E001	Backscatter Error (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_220220120T190027_20220120T190207_E001	Backscatter Error (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_20220120T190214_20220120T190242_E001	Backscatter Error (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_220220120T193044_20220120T193209_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_220220120T193729_20220120T194036_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_220220120T202859_20220120T202925_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_220220120T204615_20220120T204947_E001	Backscatter Error (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_220220120T211029_20220120T211313_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_220220120T211630_20220120T212005_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_220220120T220118_20220120T220131_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_220220120T220741_20220120T220812_E001	Backscatter Error (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_220220120T220902_20220120T220951_E001	Backscatter Error (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_220220120T221203_20220120T221247_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_220220120T225108_20220120T225343_E001		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_220220120T225537_20220120T225817_E001	SARIN X-track Andle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220120T230017_20220120T230201_E001		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_220220120T233131_20220120T233313_E001	Backscatter Error (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_220220120T234615_20220120T234735_E001		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_220220120T235148_20220120T235301_E001		There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records