

1. Overview

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

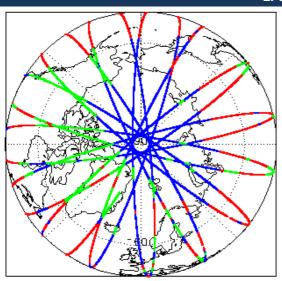
We would	love to l	hear f	rom v	/OUI
WE WOULD	IOVE LO	icai i	I OIII 1	/Uu:

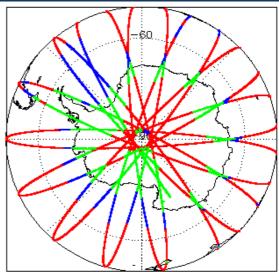
Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com

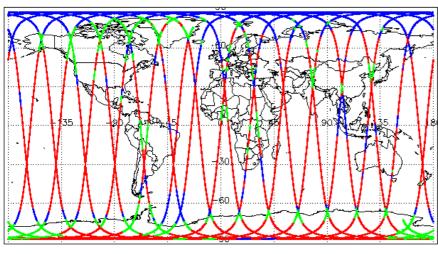
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File Usage Check	Nominal
L1B & L2 Auxiliary Correction Error Check	See Section 4.7 and 5.4
L1B & L2 Measurement Confidence Data Check	See Section 4.8 and 5.5
QCC Errors/ Warnings	See Section 6.1, 6.2 and 6.3

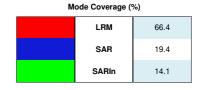
Mission / Instrument News		
22-Apr-2023	None	
23-Apr-2023	None	
24-Apr-2023	Nothing planned	

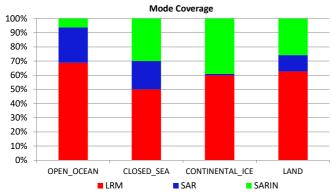
2. Global Coverage

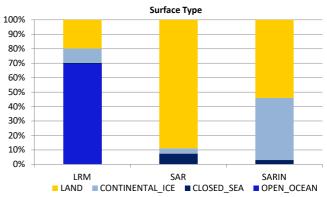












3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

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

Number of products with errors:

0

4.3 Star Tracker Usage Check

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

Number of products with errors:

0

4.4 L1B Tracking Flags Check

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

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

umber of products with errors: 10

CS. OFFL. SRI LRM. 18. 2020423T002501. 2020423T002505 E001 Loss of enho The tracking enho is missing for one or more records CS. OFFL. SRI LRM. 18. 2020423T001102 (2020423T010105 E001 Loss of enho The tracking enho is missing for one or more records CS. OFFL. SRI LRM. 18. 2020423T011021 (2020423T011005 E001 Loss of enho The tracking enho is missing for one or more records CS. OFFL. SRI LRM. 18. 2020423T010201 (2020423T011000 E001 Loss of enho The tracking enho is missing for one or more records CS. OFFL. SRI LRM. 18. 2020423T010201 (20200423T010000 E001 Loss of enho The tracking enho is missing for one or more records CS. OFFL. SRI LRM. 18. 2020423T002004 (20200423T002005 E001 Loss of enho The tracking enho is missing for one or more records CS. OFFL. SRI LRM. 18. 2020423T002004 (20200423T002006 E001 Loss of enho The tracking enho is missing for one or more records CS. OFFL. SRI LRM. 18. 2020423T002004 (20200423T002006 E001 Loss of enho The tracking enho is missing for one or more records CS. OFFL. SRI LRM. 18. 2020423T002004 (20200423T002006 E001 Loss of enho The tracking enho is missing for one or more records CS. OFFL. SRI LRM. 18. 2020423T002004 (20200423T002006 E001 Loss of enho The tracking enho is missing for one or more records CS. OFFL. SRI LRM. 18. 2020423T002000 (20200423T002006 E001 Loss of enho The tracking enho is missing for one or more records CS. OFFL. SRI LRM. 18. 2020423T002000 (20200423T002006 E001 Loss of enho The tracking enho is missing for one or more records CS. OFFL. SRI LRM. 18. 2020423T002000 (20200423T002006 E001 Loss of enho The tracking enho is missing for one or more records CS. OFFL. SRI LRM. 18. 2020423T002000 (20200423T000200 E001 Loss of enho The tracking enho is missing for one or more records CS. OFFL. SRI LRM. 18. 2020423T002000 (20200423T000000 E001 Loss of enho The tracking enho is missing for one or more records CS. OFFL. SRI LRM. 18. 2020423T000000 (20200423T000000 E001 Loss of enho The tracking enho is missing for one or more records CS. OFFL. SRI LRM. 18. 20204243T00
CS_OFFL_SIR_LRM_18_20230423710124_202304237101492_E001
CS_OFFL_SIR_LRM_1B_202304237011021_2023042370304E_5001 Loss of echo
CS_OFFL_SIR_LRM_IB_202304237012321_202304237015908_E001
CS, OFFL_SIR_LRM_1B_20230423T003044_20230423T0025058_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T002044_20230423T0250585_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0025812_20230423T025852_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0025817_20230423T025859_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0025817_20230423T025891_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0025902_20230423T003905_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T002902_20230423T003905_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T003020_20230423T003025_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T003020_20230423T003025_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0030307_20230423T003018_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0030307_20230423T003018_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0030307_20230423T003018_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0030300_20230423T003009_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T003000_20230423T003009_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T003000_20230423T003009_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T003000_20230423T003009_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T003002_20230423T003009_E001 Loss of echo The tracking e
CS_OFFL_SIR_LRM_18_20230423T020344_20230423T02508_E001 CS_OFFL_SIR_LRM_18_20230423T020341_20230423T02508_E001 CS_OFFL_SIR_LRM_18_20230423T02508_20230423T02568_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T02598_20230423T02589_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T02599_20230423T02589_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T02599_20230423T030319_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T002599_20230423T030319_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T003020_20230423T003019_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T003020_20230423T003011_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T003020_20230423T0030311_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T003031_2020423T0030311_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T0030302_20230423T003031_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T0030302_20230423T003031_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T003040_20030423T003040_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T003040_20030423T003040_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T003042_20230423T030309_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T040302_20230423T043001_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T060302_20230423T060302_E001 Loss o
CS_OFFL_SIR_LRM_18_20230423T020541_20230423T025558_E001
CS_OFFL_SIR_LRM_18_20230423T025588_20230425T025682_E001
CS_OFFL_SIR_LRM_1B_20230423T025817_20230423T039587_E001
CS_OFFL_SIR_LRM_IB_20230423T025902_20230423T030119_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230423T030222_20230423T030119_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230423T030205_20230423T030205_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230423T030205_20230423T030205_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230423T030257_20230423T030311_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230423T030317_20230423T030315_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230423T030320_20230423T030325_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230423T0303031_20230423T0303040_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230423T0303040_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230423T0303040_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230423T033334_20230423T0333109_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230423T033334_20230423T0333109_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230423T04032_20230423T0340902_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230423T040032_20230423T040902_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230423T040032_20230423T044047_20230423T0450407_L0230423T0450407_L0230423T0450407_L0230423T0450407_L0230423T0450407_L0230423T0450407_L0230423T0450407_L0230423T050407_L0230423T050407_L0230423T050407_L0230423T050407_L0230423T050407_L0230423T050407_L0230423T050407_L0230423T050407_L0230423T050407_L0230423T050407_L0230423T050407_L0230423T050407_L0
CS_OFFL_SIR_LRM_IB_20230423T030122_20230423T030205_E001
CS_OFFL_SIR_LRM_1B_20230423T030122_20230423T030205_E001
CS_OFFL_SIR_LRM_1B_20230423T030209_20230423T030315_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T030315_20230423T030315_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T030320_20230423T030325_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T030330_20230423T030325_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0303040_20230423T030401_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0303040_20230423T030401_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0303052_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0303534_20230423T030952_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T033354_20230423T030952_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T040322_20230423T040902_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T040423T0423T042701_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T040407_20230423T04519_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050827_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050827_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050831_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050831_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050831_20230423T050836_E001 Loss of echo The tracking echo is missing for one or mo
CS_OFFL_SIR_LRM_1B_20230423T030327_20230423T03031F_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T030320_20230423T0303032_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0303302_0230423T030401_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T030404_20230423T030409_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T030411_20230423T030952_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0303501_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T033354_20230423T030952_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T033354_20230423T0309501_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T030354_20230423T030902_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T040407_20230423T047071_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T044047_20230423T047071_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050027_20230423T050024_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050087_20230423T050824_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050804_20230423T050844_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050804_20230423T050836_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050804_20230423T050836_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050804_20230423T056097_E001 Loss of echo The tracking echo is m
CS_OFFL_SIR_LRM_1B_20230423T030317_20230423T030318_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T030320_20230423T030401_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T030404_20230423T030409_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T030404_20230423T030952_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0303109_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0333109_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T033354_20230423T0333109_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T033354_20230423T049002_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T041032_20230423T049002_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T04047_20230423T04510_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0407_20230423T04510_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050627_20230423T050624_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050827_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T05084_20230423T05089_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T05084_20230423T05089_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T05084_20230423T05089_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T05084_20230423T05696_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LR
CS_OFFL_SIR_LRM_1B_20230423T030320_20230423T030325_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T030340_20230423T030409_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T030404_20230423T030409_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T033542_02230423T033109_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T033354_20230423T033109_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T033354_20230423T033501_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T040032_20230423T04902_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T040032_20230423T04902_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0407_20230423T044519_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050227_20230423T050624_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050827_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050827_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050846_20230423T0508957_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050846_20230423T0508957_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050844_20230423T06169_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061611_20230423T06169_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061619_20230423T061619_E001 Loss of echo The tracking
CS_OFFL_SIR_LRM_1B_20230423T030336_20230423T030401_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T030404_20230423T030409_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T030411_20230423T033592_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T03354_20230423T035901_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T040032_20230423T035901_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T040032_20230423T040902_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T040032_20230423T049092_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T040047_20230423T049092_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T040047_20230423T049092_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050227_20230423T050624_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050831_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050846_20230423T050957_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050046_20230423T050957_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T051000_20230423T061609_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061611_20230423T06161743_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0616161743_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The
CS_OFFL_SIR_LRM_18_20230423T030404_20230423T030409_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T030411_20230423T030952_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T0303554_20230423T0305801_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T040032_20230423T0409902_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T040032_20230423T0409902_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T041137_20230423T045701_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T044047_20230423T044519_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T050227_20230423T050624_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T050827_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T050831_20230423T050844_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T050846_20230423T050957_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T050034_20230423T0506368_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T051000_20230423T061619_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T061611_20230423T061743_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230423T061619_20230423T062112_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The
CS_OFFL_SIR_LRM_1B_20230423T030411_20230423T030952_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T032520_20230423T035801_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T040032_20230423T035801_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T040032_20230423T040902_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T041137_20230423T040701_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T041137_20230423T04519_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050227_20230423T050624_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050827_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050827_20230423T050844_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050842_E0030423T050957_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T051000_20230423T053636_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T051000_20230423T061609_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061611_20230423T061617_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061619_20230423T061012_E0010 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061746_20230423T06221_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracki
CS_OFFL_SIR_LRM_1B_20230423T032520_20230423T033109_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T040032_20230423T040902_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records 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_20230423T041137_20230423T044519_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050227_20230423T050624_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050827_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050831_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050831_20230423T050844_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050846_20230423T050957_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T05004_20230423T05086_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T05004_20230423T061609_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061611_20230423T061743_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061746_20230423T062012_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records 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_20230423T040032_20230423T040902_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T040032_20230423T043701_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T044047_20230423T044519_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T040047_20230423T044519_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050227_20230423T050624_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050827_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050831_20230423T050844_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050846_20230423T050857_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T0500423T050856_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061609_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061611_20230423T061617_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061619_20230423T061012_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing f
CS_OFFL_SIR_LRM_1B_20230423T040032_20230423T040902_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T044047_20230423T044519_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T04047_20230423T044519_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050227_20230423T050624_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050827_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050831_20230423T050824_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050844_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050846_20230423T050957_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T051000_20230423T0503636_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T05034_20230423T061609_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061611_20230423T061617_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061619_20230423T061743_E001 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_20230423T061746_20230423T062012_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records 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_20230423T041137_20230423T044519_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050627_20230423T050624_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050827_20230423T050624_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050827_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050831_20230423T050844_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050846_20230423T050957_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T051000_20230423T053636_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T051000_20230423T051609_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061611_20230423T06161743_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061619_20230423T061743_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061746_20230423T062012_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061746_20230423T062012_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T06101_20230423T062012_E001 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_20230423T06101_20230423T062012_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records 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_20230423T04047_20230423T050624_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050227_20230423T050624_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050827_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050831_20230423T050844_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050846_20230423T050957_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T051000_20230423T053636_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T055034_20230423T061609_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061611_20230423T061617_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061619_20230423T061743_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061746_20230423T062012_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records 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_20230423T050227_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050827_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050831_20230423T050844_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050846_20230423T050957_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T051000_20230423T053636_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T055034_20230423T061609_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061611_20230423T061617_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061619_20230423T061743_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061746_20230423T062012_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061746_20230423T062012_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T06101_20230423T062012_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T06101_20230423T062012_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T050827_20230423T050829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050846_20230423T050844_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050846_20230423T050957_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T051000_20230423T053636_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T055034_20230423T061609_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061611_20230423T061617_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061619_20230423T061743_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061746_20230423T062012_E001 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_20230423T06101_20230423T062231_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records 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_20230423T050831_20230423T050844_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T050846_20230423T050957_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T051000_20230423T053636_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T055034_20230423T061609_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061611_20230423T061617_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061619_20230423T061743_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061746_20230423T062012_E001 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_20230423T062101_20230423T062231_E001 Loss of echo The tracking echo is missing for one or more records 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_20230423T062101_20230423T062231_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T050846_20230423T050957_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T051000_20230423T053636_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T055034_20230423T061609_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061611_20230423T061617_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061619_20230423T061743_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061746_20230423T062012_E001 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_20230423T062101_20230423T062231_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records 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_20230423T051000_20230423T053636_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061611_20230423T061609_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061611_20230423T061617_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061619_20230423T061743_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061746_20230423T062012_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records 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_20230423T055034_20230423T061609_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061611_20230423T061617_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061619_20230423T061743_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061746_20230423T062012_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T062101_20230423T062231_E001 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_20230423T061611_20230423T061617_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061619_20230423T061743_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061746_20230423T062012_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T062101_20230423T062231_E001 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_20230423T061619_20230423T061743_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T061746_20230423T062012_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T062101_20230423T062231_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T062101_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230423T062101_20230423T062231_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T062101_20230423T062231_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T062313_20230423T062540_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T074029_20230423T074433_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T074807_20230423T074823_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T075002_20230423T075547_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T075841_20230423T075911_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T075934_20230423T080104_E001 Loss of echo The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20230423T080104_20230423T080247_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T082051_20230423T085459_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T093022_20230423T093633_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T093755_20230423T093806_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T093820_20230423T093828_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T093833_20230423T094001_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T100002_20230423T102811_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T102821_20230423T103328_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T104111_20230423T104525_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T112641_20230423T112739_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T113626_20230423T113759_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T115521_20230423T115742_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T115748_20230423T120448_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T120450_20230423T120554_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T122023_20230423T122235_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T123113_20230423T124337_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T131533_20230423T131610_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T131615_20230423T131618_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T131623_20230423T131624_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T131626_20230423T131636_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T131647_20230423T131832_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T131834_20230423T131907_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T131909_20230423T131911_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T131914_20230423T131934_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T131936_20230423T132109_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T132411_20230423T133440_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T133946_20230423T134435_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230423T141322 20230423T141701 E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230423T141703 20230423T141721 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T141723_20230423T141726_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230423T141731 20230423T141743 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T141745_20230423T141903_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230423T142506 20230423T143803 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T143926_20230423T143939_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T145409_20230423T145838_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T145840_20230423T145909_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230423T145945 20230423T145951 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T145953_20230423T150517_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T150635_20230423T150745_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T153855_20230423T154014_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230423T154440 20230423T161139 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T161344_20230423T161924_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T162047_20230423T162135_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230423T163706 20230423T164025 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T164029_20230423T164029_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230423T164031 20230423T164035 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T164208_20230423T164244_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230423T164452 20230423T171032 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T175312_20230423T175329_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T181407_20230423T182212_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T182215_20230423T182752_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230423T182756 20230423T185029 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T185654_20230423T190024_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T190341_20230423T193817_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T195504_20230423T195715_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T195748_20230423T195843_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T190746_20230423T193043_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T200305_20230423T201113_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T201211_20230423T201558_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T201720_20230423T201016001	Loss of echo	The tracking echo is missing for one or more records
		The state of the s
		The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T203154_20230423T203717_E001	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_20230423T203154_20230423T203717_E001 CS_OFFL_SIR_LRM_1B_20230423T213648_20230423T213809_E001	Loss of echo Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230423T203154_20230423T203717_E001	Loss of echo	

CS_OFFL_SIR_LRM_1B_20230423T222220_20230423T225501_E001 Loss of echo The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20230423T225755_20230423T225933_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:

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: 3

Product	Test Failed	Description
CS_OFFL_SIR_SAR_1B_20230423T113759_20230423T113800_E001	Dry tropospheric Correction Error, Wet tropospheric Correction Error, Inverse barometric Correction Error, Dynamic atmosphere Correction Error, Ocean equilibrium tide, Ocean long period tide, Ocean loading tide, Solid Earth tide, Geocentr. polar tide, Surface type flag	The auxiliary corrections are missing for one or more record; under investigation.
CS_OFFL_SIR_SAR_1B_20230423T225543_20230423T225543_E001	Dry tropospheric Correction Error, Wet tropospheric Correction Error, Inverse barometric Correction Error, Dynamic atmosphere Correction Error, Ocean equilibrium tide, Ocean long period tide, Ocean loading tide, Solid Earth tide, Geocentr. polar tide, Surface type flag	The auxiliary corrections are missing for one or more record; under investigation.
CS_OFFL_SIR_SAR_1B_20230423T225730_20230423T225730_E001	Dry tropospheric Correction Error, Wet tropospheric Correction Error, Inverse barometric Correction Error, Dynamic atmosphere Correction Error, Ocean equilibrium tide, Ocean long period tide, Ocean loading tide, Solid Earth tide, Geocentr. polar tide, Surface type flag	The auxiliary corrections are missing for one or more record; under investigation.

4.8 L1B Measurement Confidence Data Check

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20230423T195748_20230423T195843_E001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

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

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

Number of products with errors: 12

Product	Test Failed	Description
CS_OFFL_SIR_SAR_220230423T000154_20230423T000237_E001		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_220230423T002136_20230423T002201_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_220230423T003458_20230423T004124_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_220230423T005229_20230423T005244_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_20230423T010819_20230423T011021_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 There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230423T014430_20230423T014635_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_20230423T021207_20230423T021258_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230423T021307_20230423T021429_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_220230423T023144_20230423T023209_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_220230423T024648_20230423T025328_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_220230423T025328_20230423T025455_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 20230423T025456 20230423T025500 E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230423T025502_20230423T025537_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_2_20230423T030325_20230423T030336_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_220230423T031822_20230423T031857_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230423T032044_20230423T032058_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_220230423T032134_20230423T032356_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_20230423T033109_20230423T033231_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_20230423T035801_20230423T035842_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20230423T041055 20230423T041137 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_2_20230423T053636_20230423T053822_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_220230423T054952_20230423T055033_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230423T062013_20230423T062101_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_220230423T062540_20230423T063621_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_220230423T071556_20230423T071810_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 20230423T072859 20230423T072907 E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20230423T073524 20230423T074029 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_220230423T075548_20230423T075651_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_220230423T080247_20230423T080348_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230423T080511_20230423T080539_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_220230423T080733_20230423T080826_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_220230423T081834_20230423T081912_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_220230423T085500_20230423T085747_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 20230423T090738 20230423T090822 E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20230423T093633 20230423T093755 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_2_20230423T094001_20230423T094102_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_220230423T094102_20230423T094551_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230423T094618_20230423T094842_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_20230423T094927_20230423T100002_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_220230423T103329_20230423T103504_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_20230423T104105_20230423T104111_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20230423T104633 20230423T104741 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_2_20230423T111452_20230423T111621_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_220230423T112348_20230423T112424_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230423T113803_20230423T113807_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_20230423T113809_20230423T114015_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_220230423T114222_20230423T114259_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_20230423T115305_20230423T115521_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230423T120555_20230423T120607_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_220230423T121257_20230423T121313_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_20230423T122004_20230423T122010_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230423T122017_20230423T122023_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_220230423T122419_20230423T123113_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_20230423T124338_20230423T124511_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_220230423T125413_20230423T125533_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_20230423T125816_20230423T125854_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 20230423T133440 20230423T133642 E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230423T133720_20230423T133946_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 20230423T134435 20230423T134517 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_2_20230423T135200_20230423T135225_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_220230423T135905_20230423T135909_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_20230423T135917_20230423T135922_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_20230423T140337_20230423T140430_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230423T141130_20230423T141321_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_20230423T143940_20230423T144146_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_20230423T144224_20230423T144239_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_20230423T145909_20230423T145945_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_20230423T150746_20230423T151325_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_20230423T151327_20230423T151535_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_20230423T153103_20230423T153146_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_20230423T154337_20230423T154439_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_220230423T161139_20230423T161344_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_20230423T171033_20230423T171117_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_20230423T172237_20230423T172353_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20230423T175116 20230423T175312 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 20230423T181134 20230423T181407 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 20230423T185029 20230423T185039 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 20230423T190146 20230423T190341 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_220230423T193940_20230423T193945_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 20230423T194809 20230423T195139 E001	·	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20230423T195257_20230423T195504_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_220230423T195844_20230423T195902_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_220230423T195913_20230423T200021_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_20230423T200023_20230423T200033_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230423T200127_20230423T200305_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_20230423T202101_20230423T202304_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_20230423T202503_20230423T202702_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_20230423T202946_20230423T203028_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_20230423T204029_20230423T204309_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_20230423T210523_20230423T210808_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_220230423T211700_20230423T212708_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_20230423T212708_20230423T212838_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_20230423T212854_20230423T212910_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_220230423T212944_20230423T212958_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_220230423T213456_20230423T213623_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_220230423T213856_20230423T214043_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_20230423T220857_20230423T221007_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_220230423T221941_20230423T222219_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230423T225501_20230423T225530_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 20230423T225533 20230423T225540 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_20230423T225546_20230423T225604_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_20230423T225611_20230423T225727_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
30_0.1	S. Off dopin model	falls outside of the extent of the current snow depth model

CS_OFFL_SIR_SAR_220230423T225731_20230423T225736_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_220230423T225737_20230423T225754_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_220230423T225933_20230423T231144_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_220230423T231228_20230423T231812_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_220230423T232042_20230423T232045_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_220230423T232046_20230423T232058_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_220230423T234356_20230423T235055_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SIN_2_20230423T004124_20230423T004359_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20230423T021626_20230423T022225_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20230423T071810_20230423T072158_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230423T085748_20230423T090103_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20230423T122235_20230423T122419_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20230423T140058_20230423T140336_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20230423T154014_20230423T154337_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20230423T203718_20230423T204028_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20230423T221617_20230423T221941_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20230423T235055_20230423T235330_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230423T235523_20230424T000149_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records

5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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

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

Number of products with errors: 2

0.4
er 2 for one or more
er 2 for one or more
er 2 and a height error
er 2 for one or more
er 2 and a height error
er 2 and a height error
of one or more records
of one or more records
er 2 for one or more
er 2 for one or more
er 2 for one or more
of one or more records
er 2 for one or more
er 2 for one or more
er 2 and a height error

CS_OFFL_SIR_LRM_220230423T064323_20230423T071555_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_20230423T072908_20230423T073524_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_20230423T075002_20230423T075547_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_220230423T082051_20230423T085459_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_220230423T090822_20230423T092734_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_220230423T093022_20230423T093633_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_20230423T100002_20230423T102811_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20230423T102821_20230423T103328_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_20230423T104741_20230423T111451_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_20230423T111622_20230423T112315_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_20230423T112315_20230423T112348_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_20230423T114015_20230423T114222_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_20230423T114259_20230423T115305_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_20230423T115521_20230423T115742_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_20230423T115748_20230423T120448_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_20230423T120450_20230423T120554_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_20230423T123113_20230423T124337_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_220230423T124511_20230423T125413_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_20230423T125854_20230423T130215_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_20230423T132411_20230423T133440_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_220230423T133643_20230423T133720_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_20230423T133946_20230423T134435_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_220230423T142506_20230423T143803_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_20230423T145945_20230423T145951_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20230423T145953_20230423T150517_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230423T154440_20230423T161139_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_20230423T164031_20230423T164035_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230423T164452_20230423T171032_E001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 , a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20230423T172353_20230423T175116_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_20230423T181407_20230423T182212_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230423T182215_20230423T182752_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_20230423T182756_20230423T185029_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_220230423T190341_20230423T193817_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_220230423T195139_20230423T195257_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_20230423T195748_20230423T195843_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_20230423T200033_20230423T200127_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_20230423T202703_20230423T202946_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_220230423T204309_20230423T210523_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_220230423T210808_20230423T211700_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_220230423T212958_20230423T213315_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_220230423T214926_20230423T220856_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_220230423T222220_20230423T225501_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_220230423T231812_20230423T232042_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_220230423T232058_20230423T234356_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_SAR_220230423T000154_20230423T000237_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T002136_20230423T002201_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T003458_20230423T004124_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T005229_20230423T005244_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T010819_20230423T011021_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T013005_20230423T013501_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T013501_20230423T013637_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T014430_20230423T014635_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T021207_20230423T021258_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T021307_20230423T021429_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T023144_20230423T023209_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T024648_20230423T025328_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T030952_20230423T031601_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T031822_20230423T031857_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T032044_20230423T032058_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T032134_20230423T032356_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T033109_20230423T033231_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T035801_20230423T035842_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T041055_20230423T041137_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T044719_20230423T044944_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T045003_20230423T045100_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T045125_20230423T045538_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T053636_20230423T053822_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220230423T054952_20230423T055033_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T062540_20230423T063621_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T071556_20230423T071810_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T072859_20230423T072907_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T073524_20230423T074029_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T075548_20230423T075651_E001	Backscatter Error (Retracker 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_20230423T080247_20230423T080348_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T080733_20230423T080826_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T080923_20230423T081710_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T085500_20230423T085747_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T090738_20230423T090822_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T093633_20230423T093755_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T094001_20230423T094102_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T094102_20230423T094551_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T094618_20230423T094842_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T094927_20230423T100002_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T103329_20230423T103504_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T104633_20230423T104741_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T111452_20230423T111621_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T112348_20230423T112424_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T112858_20230423T113626_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T113809_20230423T114015_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T114222_20230423T114259_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T115305_20230423T115521_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T120555_20230423T120607_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T121257_20230423T121313_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T122419_20230423T123113_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T124338_20230423T124511_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T125413_20230423T125533_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T125816_20230423T125854_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T130810_20230423T131331_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T131359_20230423T131505_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T133440_20230423T133642_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T133720_20230423T133946_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220230423T134435_20230423T134517_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T135200_20230423T135225_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T140337_20230423T140430_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T141130_20230423T141321_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T143940_20230423T144146_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T144224_20230423T144239_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T144703_20230423T145137_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T145137_20230423T145409_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T150746_20230423T151325_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T151327_20230423T151535_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T153103_20230423T153146_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T154337_20230423T154439_E001	Backscatter Error (Retracker 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_20230423T162525_20230423T163040_E001	Backscatter Error (Retracker 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_20230423T163112_20230423T163342_E001	Backscatter Error (Retracker 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_20230423T171033_20230423T171117_E001	Backscatter Error (Retracker 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_20230423T172237_20230423T172353_E001	Backscatter Error (Retracker 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_20230423T175116_20230423T175312_E001	Backscatter Error (Retracker 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_20230423T180218_20230423T181114_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T181134_20230423T181407_E001	Backscatter Error (Retracker 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_20230423T185029_20230423T185039_E001	Backscatter Error (Retracker 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_20230423T190146_20230423T190341_E001	Backscatter Error (Retracker 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_20230423T194145_20230423T194809_E001	Backscatter Error (Retracker 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_20230423T194809_20230423T195139_E001	Backscatter Error (Retracker 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_20230423T195257_20230423T195504_E001	Backscatter Error (Retracker 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_20230423T195844_20230423T195902_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T195913_20230423T200021_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T200127_20230423T200305_E001	Backscatter Error (Retracker 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_20230423T202101_20230423T202304_E001	Backscatter Error (Retracker 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_20230423T202503_20230423T202702_E001	Backscatter Error (Retracker 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_20230423T202946_20230423T203028_E001	Backscatter Error (Retracker 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_20230423T204029_20230423T204309_E001	Backscatter Error (Retracker 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_20230423T210523_20230423T210808_E001	Backscatter Error (Retracker 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_20230423T211700_20230423T212708_E001	Backscatter Error (Retracker 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_20230423T212708_20230423T212838_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220230423T212854_20230423T212910_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T212944_20230423T212958_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T213456_20230423T213623_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T213856_20230423T214043_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T220857_20230423T221007_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T221941_20230423T222219_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T225501_20230423T225530_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T225611_20230423T225727_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T225933_20230423T231144_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T231228_20230423T231812_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T232042_20230423T232045_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T232046_20230423T232058_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230423T234356_20230423T235055_E001	Backscatter Error (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_20230422T235745_20230423T000154_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_220230423T004124_20230423T004359_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_20230423T004556_20230423T004734_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230423T005058_20230423T005229_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_20230423T011943_20230423T012321_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_220230423T013637_20230423T013751_E001	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_220230423T013939_20230423T014212_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_20230423T021429_20230423T021526_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_220230423T021626_20230423T022225_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_220230423T022519_20230423T022529_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20230423T023000_20230423T023144_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_220230423T025653_20230423T025816_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_20230423T031602_20230423T031822_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_220230423T031857_20230423T032044_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_220230423T032059_20230423T032133_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_220230423T032356_20230423T032519_E001	Backscatter Error (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_220230423T033231_20230423T033353_E001	Backscatter Error (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_220230423T035843_20230423T040032_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_220230423T040902_20230423T041055_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_220230423T043701_20230423T044046_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

	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X	There is a backscatter error for Retracker 2 and 3, an ambiguous angle
CS_OFFL_SIR_SIN_220230423T044944_20230423T045003_E001	track Angle Error, Surface model unavailable Backscatter Error (Retracker 2),	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_220230423T045100_20230423T045124_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_220230423T045538_20230423T050018_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_220230423T050624_20230423T050826_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_220230423T053822_20230423T053958_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_220230423T054124_20230423T054245_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230423T054703_20230423T054951_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_220230423T063622_20230423T064323_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_20230423T071810_20230423T072158_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_220230423T072744_20230423T072858_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_220230423T075652_20230423T075841_E001	Backscatter Error (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_220230423T080348_20230423T080510_E001	Backscatter Error (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_220230423T080558_20230423T080645_E001	Backscatter Error (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_220230423T080827_20230423T080922_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_220230423T081711_20230423T081832_E001	Backscatter Error (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_220230423T081913_20230423T082051_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_220230423T085748_20230423T090103_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_220230423T090616_20230423T090737_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_220230423T094842_20230423T094927_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_220230423T103504_20230423T103908_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_220230423T104525_20230423T104633_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_20230423T112425_20230423T112641_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_20230423T112739_20230423T112858_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_20230423T121313_20230423T121332_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_20230423T121333_20230423T121442_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_220230423T122235_20230423T122419_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_20230423T130215_20230423T130619_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_220230423T130645_20230423T130810_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_220230423T131331_20230423T131359_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_20230423T132110_20230423T132410_E001	Backscatter Error (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_220230423T135226_20230423T135409_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_20230423T140058_20230423T140336_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_220230423T140430_20230423T140713_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_220230423T144147_20230423T144224_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_20230423T144239_20230423T144702_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_220230423T153147_20230423T153348_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_220230423T154014_20230423T154337_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_220230423T162135_20230423T162525_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_220230423T163040_20230423T163111_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_220230423T164036_20230423T164208_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_220230423T164247_20230423T164451_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_220230423T171117_20230423T171339_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_20230423T172120_20230423T172237_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_20230423T175330_20230423T180218_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_20230423T181115_20230423T181134_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_220230423T185039_20230423T185203_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_220230423T190024_20230423T190146_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_220230423T193818_20230423T193940_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_20230423T194019_20230423T194145_E001	Backscatter Error (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_220230423T195903_20230423T195913_E001	Backscatter Error (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_220230423T203028_20230423T203154_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_20230423T203718_20230423T204028_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 2),	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_220230423T212839_20230423T212847_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_220230423T212910_20230423T212944_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_220230423T213315_20230423T213456_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_220230423T213809_20230423T213856_E001	Backscatter Error (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_20230423T214612_20230423T214926_E001	Backscatter Error (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_220230423T221008_20230423T221122_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_220230423T221617_20230423T221941_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_220230423T231144_20230423T231228_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_220230423T235055_20230423T235330_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records