

1. Overview

Report Production Date:	14-Jul-2023
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

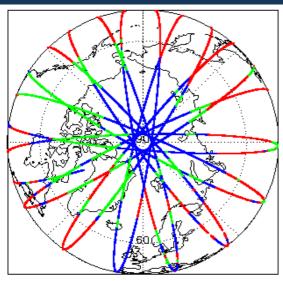
We would love to hear from you!

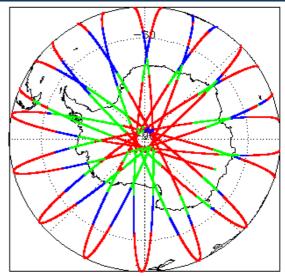
Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com

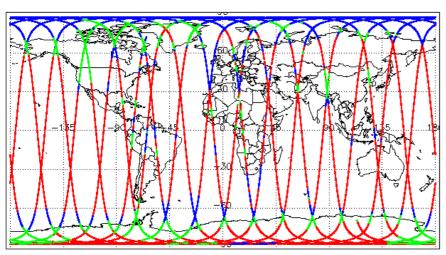
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

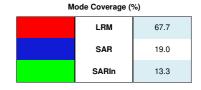
Mission / Instru	ment News
14-Jun-2023	None
15-Jun-2023	None
16-Jun-2023	Nothing planned

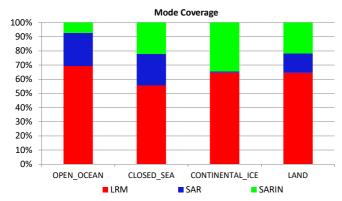
2. Global Coverage

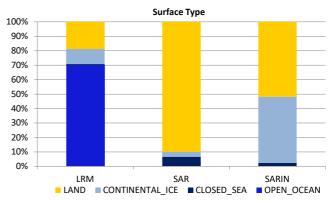












3. Instrument Configuration

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:

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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:

91

CS OFFL SIR LIMI 18 20209615700057 20200615700051 E001 CS OFFL SIR LIMI 18 20209615700070 20200615700151 E001 Los of acho The tracking och a missing for one or more records CS OFFL SIR LIMI 18 20209615700070 20200615700151 E001 Los of acho The tracking och a missing for one or more records CS OFFL SIR LIMI 18 20209615700152 20200615700151 E001 Los of acho The tracking och a missing for one or more records CS OFFL SIR LIMI 18 20209615700151 E001 Los of acho The tracking och a missing for one or more records CS OFFL SIR LIMI 18 20209615700151 E001 Los of acho The tracking och a missing for one or more records CS OFFL SIR LIMI 18 20209615700151 E001 Los of acho The tracking och a missing for one or more records CS OFFL SIR LIMI 18 20209615700151 E001 Los of acho The tracking och a missing for one or more records CS OFFL SIR LIMI 18 20209615700150 2020015700150 E001 Los of acho The tracking och a missing for one or more records CS OFFL SIR LIMI 18 20209615701220 2020015701228 E001 Los of acho The tracking och a missing for one or more records CS OFFL SIR LIMI 18 20209615701220 2020015701228 E001 Los of acho The tracking och a missing for one or more records CS OFFL SIR LIMI 18 20209615701220 2020015701228 E001 Los of acho The tracking och a missing for one or more records CS OFFL SIR LIMI 18 20209615701229 2020015701228 E001 Los of acho The tracking och a missing for one or more records CS OFFL SIR LIMI 18 20209615701229 2020015701229 E001 Los of acho The tracking och a missing for one or more records CS OFFL SIR LIMI 18 20209615701229 2020015701229 E001 Los of acho The tracking och a missing for one or more records CS OFFL SIR LIMI 18 20209615701229 2020015701229 E001 Los of acho The tracking och a missing for one or more records CS OFFL SIR LIMI 18 20209615701229 2020015701029 E001 Los of acho The tracking och a missing for one or more records CS OFFL SIR LIMI 18 20209615701229 20200015700000 E001 Los of acho The tracking och a missing for one or more records CS	Product	Test Failed	Description
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CS_OFFL_SIR_LRM_18_20206157001829_2020605157001820_E001 CS_OFFL_SIR_LRM_18_20206157001820_202060515700180_E001 CS_OFFL_SIR_LRM_18_20206157001820_202060515700180_E001 CS_OFFL_SIR_LRM_18_20206157001820_202060515700180_E001 CS_OFFL_SIR_LRM_18_20206157012000_202060515700180_E001 CS_OFFL_SIR_LRM_18_20206157012000_2020605157012049_E001 CS_OFFL_SIR_LRM_18_20206157012000_2020605157012049_E001 CS_OFFL_SIR_LRM_18_20206157012000_2020605157012049_E001 CS_OFFL_SIR_LRM_18_2020605157012000_2020605157012049_E001 CS_OFFL_SIR_LRM_18_2020605157012000_2020605157012049_E001 CS_OFFL_SIR_LRM_18_2020605157012000_2020605157012049_E001 CS_OFFL_SIR_LRM_18_2020605157012000_2020605157012045_E001 CS_OFFL_SIR_LRM_18_2020605157012000_2020605157012045_E001 CS_OFFL_SIR_LRM_18_2020605157012000_2020605157012045_E001 CS_OFFL_SIR_LRM_18_202060515701204_202060515701204_E001 CS_OFFL_SIR_LRM_18_202060515701204_202060515701204_E001 CS_OFFL_SIR_LRM_18_202060515702040_202060515701204_E001 CS_OFFL_SIR_LRM_18_202060515702040_202060515700000_E001 CS_OFFL_SIR_LRM_18_202060515702040_202060515700000_E001 CS_OFFL_SIR_LRM_18_202060515702040_202060515700000_E001 CS_OFFL_SIR_LRM_18_202060515700000_2020600515700000_E001 CS_OFFL_SIR_LRM_18_2020605157000000_2020600515700000_E001 CS_OFFL_SIR_LRM_18_2020605157000000_20206050515700000_E001 CS_OFFL_SIR_LRM_18_2020605157000000_2020605157000000_E001 CS_OFFL_SIR_LRM_18_2020605157000000_2020605157000000_E001 CS_OFFL_SIR_LRM_18_2020605157000000_2020605157000000_E001 CS_OFFL_SIR_LRM_18_2020605157000000000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20230615T000708_20230615T001310_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SIR_LRM_IB_202095157001829_202095157001840_E001 Loss of ekho The tracking ekho is missing for one or more records CS_OFF_SIR_LRM_IB_202095157012006_202095157012049_E001 Loss of ekho The tracking ekho is missing for one or more records CS_OFF_SIR_LRM_IB_202095157012006_202095157012049_E001 Loss of ekho The tracking ekho is missing for one or more records CS_OFF_SIR_LRM_IB_202095157012006_202095157012049_E001 Loss of ekho The tracking ekho is missing for one or more records CS_OFF_SIR_LRM_IB_202095157012008_202095157012249_E001 Loss of ekho The tracking ekho is missing for one or more records CS_OFF_SIR_LRM_IB_202095157013239_202095157013249_E001 Loss of ekho The tracking ekho is missing for one or more records CS_OFF_SIR_LRM_IB_202095157015209_202096157013211_E001 Loss of ekho The tracking ekho is missing for one or more records CS_OFF_SIR_LRM_IB_202095157015219_202096157013211_E001 Loss of ekho The tracking ekho is missing for one or more records CS_OFF_SIR_LRM_IB_202096157013299_202096157012700_E001 Loss of ekho The tracking ekho is missing for one or more records CS_OFF_SIR_LRM_IB_2020961570132989_202096157025700_E001 Loss of ekho The tracking ekho is missing for one or more records CS_OFF_SIR_LRM_IB_202096157003289_202096157025700_E001 Loss of ekho The tracking ekho is missing for one or more records CS_OFF_SIR_LRM_IB_202096157003289_202096157039500_E001 Loss of ekho The tracking exho is missing for one or more records CS_OFF_SIR_LRM_IB_202096157003138_202096157039500_E001 Loss of ekho The tracking exho is missing for one or more records CS_OFF_SIR_LRM_IB_202096157003138_20209615703950_E001 Loss of ekho The tracking exho is missing for one or more records CS_OFF_SIR_LRM_IB_202096157004162_20209615703950_E001 Loss of ekho The tracking exho is missing for one or more records CS_OFF_SIR_LRM_IB_202096157004162_20209615703950_E001 Loss of ekho The tracking exho is missing for one or more records CS_OFF_SIR_LRM_IB_202096157004457_20209615704446_E001 Loss of ekho The tracking	CS_OFFL_SIR_LRM_1B_20230615T001746_20230615T001825_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_18_20230615T014235_20230615T014235_E001	CS_OFFL_SIR_LRM_1B_20230615T012006_20230615T012049_E001	Loss of echo	The tracking echo is missing for one or more records
CS, OFFL_SIR_LRM_18_202306157015933_202306157015214_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202306157015934_202306157015214_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202306157015214_202306157015214_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615702548_202306157025720_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202306157025842_202306157030032_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202306157030503_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202306157030503_202306157030503_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202306157032741_202306157032748_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202306157032741_202306157032748_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615704416_202306157043414_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615704416_2023061570443960_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615704417_202306157044745_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615704457_202306157044745_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615704457_20230615704479_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615706074_202306157060748_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202306157060754_202306157060748_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202306157060754_20230615706076081_E001 Loss of e	CS_OFFL_SIR_LRM_1B_20230615T012203_20230615T012249_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_202306157015214_202306157015211_E001	CS_OFFL_SIR_LRM_1B_20230615T012303_20230615T012835_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20230615T015214_20230615T002712_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T0025782_20230615T0025702_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T0025782_20230615T0030032_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T003032_20230615T0030032_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T003032_20230615T0030002_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T003032_20230615T0030505_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T002741_20230615T0043414_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T0041051_20230615T043414_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T044111_20230615T044314_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T044111_20230615T044207_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T0444207_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T044557_20230615T044119_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T0645457_20230615T064141_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060754_20230615T060612_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060754_20230615T060612_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060754_20230615T060694_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060754_20230615T0606204	CS_OFFL_SIR_LRM_1B_20230615T014325_20230615T014823_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20230615T015219_20230615T025720_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T025727_02230615T025720_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T025727_02230615T030532_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T0305303_20230615T030503_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T030503_20230615T030503_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T045050_20230615T0305748_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T044111_20230615T043414_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T044111_20230615T04470F_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T044511_20230615T04472F_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T044557_20230615T044719_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T0606425_20230615T064719_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T0606425_20230615T0606143_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T0606425_20230615T0606143_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060742_20230615T060754_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060604_20230615T060604_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060604_20230615T060605_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060606_20230615T062140_E001 Loss of echo The tracking echo	CS_OFFL_SIR_LRM_1B_20230615T015033_20230615T015211_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20230615T025548_20230615T030332_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T030332_20230615T030032_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T030503_20230615T030503_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T032741_20230615T032744_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T041051_20230615T043414_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T043416_20230615T043406_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T043411_20230615T04420_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T044211_20230615T044241_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T04451_20230615T044341_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T0455745_20230615T064143_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T065745_20230615T060143_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060249_20230615T060614_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060744_20230615T060751_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060744_20230615T0606741_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T066742_20230615T0660751_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060608_20230615T0660751_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T062042_20230615T066140_E001 Loss of echo The tracking echo is mi	CS_OFFL_SIR_LRM_1B_20230615T015214_20230615T015214_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20230615T030138_20230615T030503_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T030138_20230615T030503_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T0302741_20230615T0302748_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T041051_20230615T032748_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T041051_20230615T043414_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T043416_20230615T044304_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T044111_20230615T044207_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T044254_20230615T044244_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T064557_20230615T04479_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T066725_20230615T060471_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060424_20230615T060474_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060742_20230615T060748_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060754_20230615T060764_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060754_20230615T060804_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060606_20230615T0606056_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060606_20230615T0606055_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T076502_20230615T0606052_E001 Loss of echo The tracking echo is	CS_OFFL_SIR_LRM_1B_20230615T015219_20230615T021700_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T030138_20230615T030503_E001	CS_OFFL_SIR_LRM_1B_20230615T023548_20230615T025720_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20230615T030503_20230615T032748_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T043141_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T043141_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T043141_20230615T043906_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T04411_20230615T044207_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T04425_20230615T044207_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T04425_20230615T044434_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T04657_20230615T044434_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T065745_20230615T060143_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060744_20230615T060612_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060742_20230615T060748_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T06074_20230615T060804_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060806_20230615T060804_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060806_20230615T060804_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060806_20230615T069076_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060804_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060806_20230615T074907_E001 Loss of echo The tracking echo is missing	CS_OFFL_SIR_LRM_1B_20230615T025827_20230615T030032_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20230615T032741_20230615T043748_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T043416_20230615T043906_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T044311_20230615T044391_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T044254_20230615T04427_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T044254_20230615T044274_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T044557_20230615T04471_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T065745_20230615T060143_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060249_20230615T060143_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060704_20230615T060748_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060751_20230615T060751_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060751_20230615T060092_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060806_20230615T060802_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060806_20230615T060802_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060806_20230615T060807_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T062042_20230615T062140_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T0605592_20230615T074907_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T0605592_20230615T07	CS_OFFL_SIR_LRM_1B_20230615T030138_20230615T030503_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20230615T04314_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T044207_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T044254_20230615T04427_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T044254_20230615T044434_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T044557_20230615T044719_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060425_20230615T060143_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060249_20230615T060143_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060249_20230615T060748_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T06074_20230615T060748_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060751_20230615T060764_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060806_20230615T060804_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060806_20230615T060804_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230615T060806_20230615T060805_1006000000000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20230615T030503_20230615T030654_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20230615T043416_20230615T044906_E001 CS_OFFL_SIR_LRM_18_20230615T044111_20230615T0444207_E001 CS_OFFL_SIR_LRM_18_20230615T044254_20230615T044434_E001 CS_OFFL_SIR_LRM_18_20230615T044557_20230615T044719_E001 CS_OFFL_SIR_LRM_18_20230615T060249_20230615T060143_E001 CS_OFFL_SIR_LRM_18_20230615T060249_20230615T060612_E001 CS_OFFL_SIR_LRM_18_20230615T060249_20230615T060612_E001 CS_OFFL_SIR_LRM_18_20230615T060249_20230615T06074_E001 CS_OFFL_SIR_LRM_18_20230615T060751_20230615T060751_E001 CS_OFFL_SIR_LRM_18_20230615T060751_20230615T060751_E001 CS_OFFL_SIR_LRM_18_20230615T060754_20230615T0600955_E001 CS_OFFL_SIR_LRM_18_20230615T060806_20230615T060095_E001 CS_OFFL_SIR_LRM_18_20230615T060806_20230615T060095_E001 CS_OFFL_SIR_LRM_18_20230615T060806_20230615T060095_E001 CS_OFFL_SIR_LRM_18_20230615T060096_20230615T060095_E001 CS_OFFL_SIR_LRM_18_20230615T060806_20230615T060095_E001 CS_OFFL_SIR_LRM_18_20230615T060806_20230615T06016207_C001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060806_20230615T06603_E001 CS_OFFL_SIR_LRM_18_20230615T06094_20230615T062107_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T062042_20230615T062107_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T074258_20230615T074907_E001 CS_OFFL_SIR_LRM_18_20230615T075052_20230615T075052_20230615T075052_20230615T075052_20230615T075052_20230615T075052_20230615T075052_20230615T075052_20230615T075052_20230615T075052_20230615T075052_20230615T0750527_E001 CS_OFFL_SIR_LRM_18_20230615T07111_20230615T01045_E001 CS_OFFL_SIR_LRM_18_20230615T07111_20230615T0104525001 CS_OFFL_SIR_LRM_18_20230615T07111_20230615T00327_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T075052_20230615T075052_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_LR	CS_OFFL_SIR_LRM_1B_20230615T032741_20230615T032748_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20230615T044111_20230615T04427_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T044254_20230615T044434_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T055745_20230615T060143_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060249_20230615T060143_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060249_20230615T060612_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060744_20230615T060748_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060751_20230615T060751_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060754_20230615T060751_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060754_20230615T060804_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T060806_20230615T060804_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T061437_20230615T060804_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T062042_20230615T062107_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T074258_20230615T075532_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T075052_20230615T075532_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T01711_20230615T08240_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230615T01711_20230615T106215_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more recor	CS_OFFL_SIR_LRM_1B_20230615T041051_20230615T043414_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20230615T044557_20230615T060143_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T060249_20230615T0606142_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T060249_20230615T060612_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T060704_20230615T060748_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T060751_20230615T060751_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T060754_20230615T060751_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T060754_20230615T060925_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T060806_20230615T060925_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T061437_20230615T06103_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T062107_20230615T062107_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T062107_20230615T062140_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T075052_20230615T075532_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T081730_20230615T075532_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T0711_20230615T075532_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T0711_20230615T075532_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T07171_20230615T003215_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more record	CS_OFFL_SIR_LRM_1B_20230615T044111_20230615T044207_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T060249_20230615T060143_E001 CS_OFFL_SIR_LRM_1B_20230615T060249_20230615T060704_E001 CS_OFFL_SIR_LRM_1B_20230615T060704_20230615T060704_E001 CS_OFFL_SIR_LRM_1B_20230615T060704_20230615T060751_E001 CS_OFFL_SIR_LRM_1B_20230615T060751_20230615T060751_E001 CS_OFFL_SIR_LRM_1B_20230615T060754_20230615T060804_E001 CS_OFFL_SIR_LRM_1B_20230615T060754_20230615T060804_E001 CS_OFFL_SIR_LRM_1B_20230615T060806_20230615T060925_E001 CS_OFFL_SIR_LRM_1B_20230615T060806_20230615T060925_E001 CS_OFFL_SIR_LRM_1B_20230615T060806_20230615T060925_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T061437_20230615T061603_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T062042_20230615T062107_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T062042_20230615T062107_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T062107_20230615T062107_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T074258_20230615T074907_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T081730_20230615T085240_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T0817111_20230615T101645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T017111_20230615T103215_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T017111_20230615T103215_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	CS_OFFL_SIR_LRM_1B_20230615T044254_20230615T044434_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T060249_20230615T060764_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T060754_20230615T060748_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T060751_20230615T060804_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T060806_20230615T060804_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T060806_20230615T060925_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T061437_20230615T061603_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T062042_20230615T062107_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T062107_20230615T062140_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T074258_20230615T074907_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T075052_20230615T075532_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T081730_20230615T085240_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T081730_20230615T0645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T101711_20230615T103215_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T101711_20230615T103215_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T104924_20230615T103215_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T101711_20230615T103215_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230615T044557_20230615T044719_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T060704_20230615T060751_E001 CS_OFFL_SIR_LRM_1B_20230615T060751_20230615T060751_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T060754_20230615T060804_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T060806_20230615T060925_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T061060925_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T06103_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T062107_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T062107_20230615T062107_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T062107_20230615T062140_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T074258_20230615T074907_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T075052_20230615T075532_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T081730_20230615T085240_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T095558_20230615T101645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T101711_20230615T103215_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_20230615T104924_20230615T105927_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 ec	CS_OFFL_SIR_LRM_1B_20230615T055745_20230615T060143_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20230615T061437_20230615T061603_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T062042_20230615T062107_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T062107_20230615T062140_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T074258_20230615T074907_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T075052_20230615T075532_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T081730_20230615T085240_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T095558_20230615T101645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T101711_20230615T103215_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	CS_OFFL_SIR_LRM_1B_20230615T060754_20230615T060804_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T062042_20230615T062107_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T062107_20230615T062140_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T074258_20230615T074907_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T075052_20230615T075532_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T081730_20230615T085240_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T095558_20230615T101645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T101711_20230615T103215_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_20230615T060806_20230615T060925_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T062107_20230615T062140_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T074258_20230615T074907_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T075052_20230615T075532_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T081730_20230615T085240_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T095558_20230615T101645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T101711_20230615T103215_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	CS_OFFL_SIR_LRM_1B_20230615T061437_20230615T061603_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T074258_20230615T074907_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T075052_20230615T075532_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T081730_20230615T085240_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T095558_20230615T101645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T101711_20230615T103215_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_20230615T062042_20230615T062107_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T075052_20230615T075532_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T081730_20230615T085240_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T095558_20230615T101645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T101711_20230615T103215_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_20230615T062107_20230615T062140_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T081730_20230615T085240_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T095558_20230615T101645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T101711_20230615T103215_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_20230615T074258_20230615T074907_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T095558_20230615T101645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T101711_20230615T103215_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T104924_20230615T105927_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_20230615T075052_20230615T075532_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T101711_20230615T103215_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230615T104924_20230615T105927_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230615T081730_20230615T085240_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T104924_20230615T105927_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230615T095558_20230615T101645_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20230615T101711_20230615T103215_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T110033_20230615T110320_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230615T104924_20230615T105927_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20230615T110033_20230615T110320_E001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20230615T110546_20230615T111825_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230615T111900 20230615T112041 E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230615T113503 20230615T115534 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T121941_20230615T122044_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T122700_20230615T124925_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230615T125047 20230615T125909 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T130201_20230615T130225_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230615T131311 20230615T132118 E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20230615T132214_20230615T132243_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T135441_20230615T135817_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T140513_20230615T143123_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T143126_20230615T143144_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T143147_20230615T143151_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T143153_20230615T143207_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T143209_20230615T143326_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T145612_20230615T150255_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T150257_20230615T150300_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T150302_20230615T150304_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T150424_20230615T152957_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T153739_20230615T154107_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T163334_20230615T163749_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T163822_20230615T164007_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T164104_20230615T164107_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T164109_20230615T164508_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T164510_20230615T164842_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T164856_20230615T165307_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T165318_20230615T165425_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T165427_20230615T165428_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T165431_20230615T165918_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T171225_20230615T171806_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T172449_20230615T175758_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T181258_20230615T181307_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T181637_20230615T181806_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T181818_20230615T181919_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T182548_20230615T183016_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T183037_20230615T184741_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T185151_20230615T185701_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T190333_20230615T193939_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T200137_20230615T200612_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T200653_20230615T202427_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T204333_20230615T211938_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T215119_20230615T220444_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T222228_20230615T223738_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T225220_20230615T225903_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T231502_20230615T232821_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T233351_20230615T233614_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T233618_20230615T233725_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T233729_20230615T234048_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230615T234050_20230615T234326_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230615T235134 20230615T235442 E001	Loss of echo	The tracking echo is missing for one or more records
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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:

0

0

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_20230615T215119_20230615T220444_E001	IECHO ERROR I EK ECHO ERROR	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

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: 103

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220230615T022319_20230615T022802_E001	Slope model	There is an error with the Slope Model for one or more records
CS_OFFL_SIR_LRM_220230615T103442_20230615T103948_E001	Slope model	There is an error with the Slope Model for one or more records
CS_OFFL_SIR_SAR_220230614T235856_20230615T000036_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_220230615T000251_20230615T000357_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_220230615T000617_20230615T000708_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_220230615T001642_20230615T001746_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_220230615T001917_20230615T002008_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_220230615T003739_20230615T003936_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_220230615T005148_20230615T005246_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_220230615T011458_20230615T011639_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_220230615T012250_20230615T012303_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_220230615T014118_20230615T014325_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_220230615T014824_20230615T015032_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_220230615T021700_20230615T021911_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_220230615T023018_20230615T023230_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_220230615T023409_20230615T023548_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_220230615T030032_20230615T030138_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_220230615T030654_20230615T030805_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_220230615T032749_20230615T032944_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_220230615T035530_20230615T035841_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_220230615T041002_20230615T041050_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_220230615T043906_20230615T044111_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_220230615T044434_20230615T044557_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_220230615T045926_20230615T045943_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_220230615T053442_20230615T053833_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
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	L	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20230615T054824_20230615T055026_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_220230615T055145_20230615T055344_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230615T055508_20230615T055744_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_220230615T061603_20230615T061941_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_220230615T062150_20230615T062318_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_220230615T062835_20230615T063736_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_20230615T063906_20230615T063923_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 20230615T071402 20230615T071716 E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230615T072150_20230615T072157_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 20230615T072729 20230615T073024 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_220230615T074110_20230615T074257_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_220230615T075532_20230615T080224_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_20230615T080224_20230615T080401_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230615T080447_20230615T080629_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_220230615T085241_20230615T085354_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_20230615T090049_20230615T090055_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_220230615T090102_20230615T090109_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_20230615T090548_20230615T091149_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_20230615T094232_20230615T094246_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_20230615T101645_20230615T101710_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20230615T103215 20230615T103300 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_220230615T103948_20230615T103955_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_220230615T104001_20230615T104007_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_20230615T104406_20230615T104410_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230615T104533_20230615T104924_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_20230615T110320_20230615T110546_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_20230615T111825_20230615T111900_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_20230615T112041_20230615T112135_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_220230615T112437_20230615T112542_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_220230615T115534_20230615T115713_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_20230615T121127_20230615T121213_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_20230615T121900_20230615T121907_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20230615T122538 20230615T122541 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 20230615T122634 20230615T122700 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_20230615T125909_20230615T130201_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_220230615T132633_20230615T132712_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_20230615T132717_20230615T132823_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230615T134953_20230615T135208_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_220230615T140348_20230615T140512_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_20230615T152957_20230615T153050_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_20230615T154237_20230615T154455_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_220230615T163226_20230615T163334_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_220230615T164007_20230615T164103_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_20230615T164842_20230615T164856_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_220230615T165307_20230615T165317_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20230615T165919_20230615T170414_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 20230615T170859 20230615T171106 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_20230615T172123_20230615T172449_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_220230615T175926_20230615T175933_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_220230615T180931_20230615T181045_E001	Snow depth model	falls outside of the extent of the current snow depth model

CS_OFFL_SIR_SAR_220230615T181307_20230615T181637_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_220230615T181920_20230615T182240_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_220230615T184741_20230615T185025_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_220230615T190007_20230615T190333_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_220230615T194655_20230615T194934_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_20230615T195123_20230615T200137_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_220230615T202427_20230615T203100_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_220230615T204128_20230615T204332_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_220230615T213123_20230615T213158_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_220230615T215029_20230615T215050_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_220230615T215052_20230615T215119_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_220230615T220444_20230615T220920_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_20230615T222155_20230615T222228_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_220230615T223738_20230615T223830_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_220230615T223832_20230615T223939_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_220230615T231352_20230615T231501_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_220230615T232821_20230615T232913_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_220230615T232920_20230615T233346_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_220230615T234740_20230615T234746_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_220230615T040020_20230615T040238_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230615T053833_20230615T054147_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230615T071717_20230615T072036_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230615T104153_20230615T104406_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230615T122044_20230615T122538_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230615T185702_20230615T190007_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230615T203100_20230615T203354_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230615T203605_20230615T204127_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230615T220920_20230615T221316_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: 249

Product	Test Failed	Description
CS_OFFL_SIR_LRM_2_20230615T000357_20230615T000541_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230615T000708_20230615T001310_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_220230615T002307_20230615T003739_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_20230615T005246_20230615T011458_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_220230615T012006_20230615T012049_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230615T014047_20230615T014118_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_20230615T015219_20230615T021700_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_220230615T023548_20230615T025720_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_220230615T032944_20230615T035530_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_220230615T041051_20230615T043414_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_220230615T043416_20230615T043906_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_20230615T044557_20230615T044719_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_20230615T050115_20230615T053442_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_220230615T055344_20230615T055508_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_20230615T061437_20230615T061603_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_220230615T062445_20230615T062834_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_220230615T063923_20230615T064013_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_220230615T064026_20230615T071401_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_220230615T073024_20230615T074110_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_220230615T074258_20230615T074907_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_20230615T075052_20230615T075532_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_20230615T081730_20230615T085240_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_20230615T091150_20230615T094232_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_220230615T095558_20230615T101645_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_220230615T101711_20230615T103215_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_220230615T104924_20230615T105927_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_220230615T110546_20230615T111825_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_220230615T111900_20230615T112041_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230615T113503_20230615T115534_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_220230615T115713_20230615T121127_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_220230615T122700_20230615T124925_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_220230615T125047_20230615T125909_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_220230615T131311_20230615T132118_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230615T132823_20230615T134952_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_220230615T140513_20230615T143123_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_220230615T150424_20230615T152957_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_220230615T154455_20230615T161826_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_220230615T163822_20230615T164007_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_220230615T164510_20230615T164842_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_220230615T165431_20230615T165918_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_220230615T171225_20230615T171806_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230615T172449_20230615T175758_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 OFFI SIR IRM 2 20220615T181045 20220615T104150 F001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220230615T181045_20230615T181158_E001	Error (Retracker 2) Height Error (Retracker 2), Height Error	records
CS_OFFL_SIR_LRM_220230615T181818_20230615T181919_E001	(Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220230615T183037_20230615T184741_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_220230615T185151_20230615T185701_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230615T190333_20230615T193939_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_20230615T194934_20230615T195123_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_220230615T200137_20230615T200612_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_220230615T200653_20230615T202427_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_220230615T204333_20230615T211938_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_220230615T213159_20230615T215029_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_220230615T215119_20230615T220444_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_220230615T222228_20230615T223738_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_220230615T223940_20230615T224902_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_220230615T231103_20230615T231352_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_220230615T231502_20230615T232821_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_220230615T233351_20230615T233614_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230615T234050_20230615T234326_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_SAR_220230614T235856_20230615T000036_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T000251_20230615T000357_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T000617_20230615T000708_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T003739_20230615T003936_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T005148_20230615T005246_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T011458_20230615T011639_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T012836_20230615T012928_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T012928_20230615T013217_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T013224_20230615T013556_E001	Backscatter Error (Retracker 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_20230615T014118_20230615T014325_E001	Backscatter Error (Retracker 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_20230615T021700_20230615T021911_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T023018_20230615T023230_E001	Backscatter Error (Retracker 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_20230615T023409_20230615T023548_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T030654_20230615T030805_E001	Backscatter Error (Retracker 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_20230615T030911_20230615T031009_E001	Backscatter Error (Retracker 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_20230615T031144_20230615T031501_E001	Backscatter Error (Retracker 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_20230615T031553_20230615T031621_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
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CS_OFFL_SIR_SAR_2_20230615T032749_20230615T032944_E001	Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
	Backscatter Error (Retracker 3) Backscatter Error (Retracker 2),	There is a hockpostter error for Patrocker 2 and 2 for one or more records
CS_OFFL_SIR_SAR_220230615T035530_20230615T035841_E001	Backscatter Error (Retracker 3) Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T041002_20230615T041050_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T043906_20230615T044111_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T044836_20230615T044948_E001	Backscatter Error (Retracker 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_20230615T045011_20230615T045809_E001	Backscatter Error (Retracker 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_20230615T053442_20230615T053833_E001	Backscatter Error (Retracker 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_20230615T054824_20230615T055026_E001	Backscatter Error (Retracker 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_20230615T055145_20230615T055344_E001	Backscatter Error (Retracker 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_20230615T055508_20230615T055744_E001	Backscatter Error (Retracker 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_20230615T061603_20230615T061941_E001	Backscatter Error (Retracker 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_20230615T062150_20230615T062318_E001	Backscatter Error (Retracker 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_20230615T062835_20230615T063736_E001	Backscatter Error (Retracker 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_20230615T063812_20230615T063826_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T063906_20230615T063923_E001	Backscatter Error (Retracker 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_20230615T071402_20230615T071716_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T072729_20230615T073024_E001	Backscatter Error (Retracker 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_20230615T074110_20230615T074257_E001	Backscatter Error (Retracker 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_20230615T075532_20230615T080224_E001	Backscatter Error (Retracker 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_20230615T080224_20230615T080401_E001	Backscatter Error (Retracker 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_20230615T080447_20230615T080629_E001	Backscatter Error (Retracker 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_20230615T080942_20230615T081710_E001	Backscatter Error (Retracker 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_20230615T085241_20230615T085354_E001	Backscatter Error (Retracker 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_20230615T090548_20230615T091149_E001	Backscatter Error (Retracker 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_20230615T094232_20230615T094246_E001	Backscatter Error (Retracker 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_20230615T094841_20230615T095423_E001	Backscatter Error (Retracker 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_20230615T095439_20230615T095558_E001	Backscatter Error (Retracker 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_20230615T101645_20230615T101710_E001	Backscatter Error (Retracker 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_20230615T103215_20230615T103300_E001	Backscatter Error (Retracker 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_20230615T104406_20230615T104410_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T104533_20230615T104924_E001	Backscatter Error (Retracker 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_20230615T111825_20230615T111900_E001	Backscatter Error (Retracker 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_20230615T112041_20230615T112135_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T112437_20230615T112542_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220230615T112756_20230615T113120_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T113121_20230615T113324_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T115534_20230615T115713_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T121127_20230615T121213_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T122538_20230615T122541_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T122634_20230615T122700_E001	Backscatter Error (Retracker 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_20230615T125909_20230615T130201_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T130621_20230615T130632_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T130743_20230615T131142_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T131217_20230615T131311_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T132717_20230615T132823_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T134953_20230615T135208_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T140348_20230615T140512_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T144442_20230615T145430_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T152957_20230615T153050_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T154237_20230615T154455_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T162208_20230615T162912_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T163047_20230615T163202_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T163226_20230615T163334_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T164007_20230615T164103_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T165919_20230615T170414_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T170859_20230615T171106_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T172123_20230615T172449_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T180013_20230615T180033_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T180054_20230615T180755_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T180755_20230615T180830_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T180856_20230615T180920_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T180931_20230615T181045_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T181307_20230615T181637_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T181920_20230615T182240_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T184741_20230615T185025_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T190007_20230615T190333_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T193939_20230615T194655_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T194655_20230615T194934_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220230615T195123_20230615T200137_E001	Backscatter Error (Retracker 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_20230615T202427_20230615T203100_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T204128_20230615T204332_E001	Backscatter Error (Retracker 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_20230615T211938_20230615T212033_E001	Backscatter Error (Retracker 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_20230615T212128_20230615T212550_E001	Backscatter Error (Retracker 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_20230615T212550_20230615T212700_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T213123_20230615T213158_E001	Backscatter Error (Retracker 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_20230615T220444_20230615T220920_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T222155_20230615T222228_E001	Backscatter Error (Retracker 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_20230615T223738_20230615T223830_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T223832_20230615T223939_E001	Backscatter Error (Retracker 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_20230615T230040_20230615T230242_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T230242_20230615T230558_E001	Backscatter Error (Retracker 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_20230615T231352_20230615T231501_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230615T234740_20230615T234746_E001	Backscatter Error (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_220230615T000036_20230615T000251_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_220230615T001310_20230615T001432_E001	Backscatter Error (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_220230615T002008_20230615T002307_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_220230615T003936_20230615T004123_E001	*	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230615T004955_20230615T005148_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_220230615T011639_20230615T012006_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_220230615T012050_20230615T012202_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_20230615T013217_20230615T013224_E001	Backscatter Error (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_220230615T013557_20230615T014047_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_20230615T021911_20230615T022032_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_20230615T022225_20230615T022319_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20230615T022802_20230615T023017_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_20230615T023404_20230615T023406_E001	Backscatter Error (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_220230615T025720_20230615T025827_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20230615T030805_20230615T030911_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_220230615T031009_20230615T031144_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_20230615T031501_20230615T031552_E001	Backscatter Error (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_20230615T031621_20230615T032741_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_20230615T035841_20230615T040001_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_20230615T040020_20230615T040238_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_20230615T040834_20230615T041002_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_20230615T044719_20230615T044725_E001	Backscatter Error (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_20230615T044948_20230615T045011_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_20230615T045944_20230615T050115_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_20230615T053833_20230615T054147_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_20230615T054706_20230615T054823_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_20230615T061941_20230615T062021_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_20230615T062318_20230615T062445_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_20230615T063736_20230615T063812_E001	Backscatter Error (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_20230615T063826_20230615T063906_E001	Backscatter Error (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_20230615T064013_20230615T064025_E001	Backscatter Error (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_20230615T071717_20230615T072036_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_20230615T072604_20230615T072729_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_20230615T080401_20230615T080447_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_20230615T080629_20230615T080942_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_20230615T085354_20230615T085541_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_20230615T090408_20230615T090548_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_20230615T094246_20230615T094415_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_20230615T094744_20230615T094841_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_20230615T095423_20230615T095439_E001	Backscatter Error (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_20230615T103300_20230615T103442_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_20230615T104153_20230615T104406_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_20230615T104410_20230615T104532_E001	Backscatter Error (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_20230615T112135_20230615T112436_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_20230615T112542_20230615T112756_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_20230615T113325_20230615T113503_E001	Backscatter Error (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_20230615T121213_20230615T121359_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_20230615T121919_20230615T121924_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records

CS_OFFL_SIR_SIN_220230615T122044_20230615T122538_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_220230615T122541_20230615T122634_E001	Backscatter Error (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_220230615T124925_20230615T125047_E001	Backscatter Error (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_220230615T130225_20230615T130621_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_220230615T130632_20230615T130742_E001	Backscatter Error (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_220230615T131142_20230615T131216_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_220230615T132251_20230615T132633_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_220230615T135208_20230615T135441_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_220230615T140153_20230615T140348_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_20230615T143327_20230615T144442_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_220230615T150309_20230615T150424_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_220230615T153051_20230615T153224_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_220230615T153732_20230615T153739_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230615T154107_20230615T154237_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_220230615T161826_20230615T162027_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_20230615T162103_20230615T162207_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_220230615T162912_20230615T163047_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_220230615T171106_20230615T171225_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_220230615T171806_20230615T171852_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230615T172008_20230615T172123_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_20230615T175759_20230615T175926_E001	Backscatter Error (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_220230615T175933_20230615T180013_E001	Backscatter Error (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_220230615T180033_20230615T180053_E001	Backscatter Error (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_220230615T180830_20230615T180855_E001	Backscatter Error (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_220230615T180920_20230615T180931_E001	Backscatter Error (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_220230615T181158_20230615T181258_E001	Backscatter Error (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_220230615T185025_20230615T185151_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_20230615T185702_20230615T190007_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_220230615T203100_20230615T203354_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_220230615T203605_20230615T204127_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_220230615T212033_20230615T212128_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

Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN X rack Angle Error CS_OFFL_SIR_SIN_2_20230615T220920_20230615T221316_E001 Backscatter Error (Retracker 3), SARIN X rack Angle Error Backscatter Error (Retracker 3), SARIN X rack Angle Error CS_OFFL_SIR_SIN_2_20230615T220920_20230615T221316_E001 SARIN X-track Angle Error SARIN X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records SARIN X-track Angle Error CS_OFFL_SIR_SIN_2_20230615T222017_20230615T222155_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN X track Angle Error Backscatter Error (Retracker 3), SARIN X track Angle Error CS_OFFL_SIR_SIN_2_20230615T224902_20230615T225219_E001 Backscatter Error (Retracker 3), SARIN X track Angle Error Backscatter Error (Retracker 3), SARIN X track Angle Error There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and 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_20230615T230558_20230615T230039_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN X track Angle Error Backscatter Error (Retracker 3			
Backscatter Error (Retracker 3), SARIn X rack Angle Error CS_OFFL_SIR_SIN_2_20230615T221514_20230615T221637_E001 SARIN X-track Angle Error Sackscatter Error (Retracker 2), SARIN X-track Angle Error Sackscatter Error (Retracker	CS_OFFL_SIR_SIN_220230615T212700_20230615T213123_E001	Backscatter Error (Retracker 3), SARIn X-	
SARIN X-track Angle Error records CS_OFFL_SIR_SIN_2_20230615T222017_20230615T222155_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN x track Angle Error Backscatter Error (Retracker 3), SARIN x track Angle Error Backscatter Error (Retracker 3), SARIN x track Angle Error Backscatter Error (Retracker 3), SARIN x track Angle Error, Surface model unavailable CS_OFFL_SIR_SIN_2_20230615T225903_20230615T230039_E001 CS_OFFL_SIR_SIN_2_20230615T225903_20230615T230039_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN x track Angle Error CS_OFFL_SIR_SIN_2_20230615T230558_20230615T230710_E001 CS_OFFL_SIR_SIN_2_20230615T230840_20230615T231103_E001 CS_OFFL_SIR_SIN_2_20230615T230840_20230615T231103_E001 CS_OFFL_SIR_SIN_2_20230615T234326_20230615T234430_E001 SARIN X-track Angle Error (Retracker 2), Backscatter Error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was de	CS_OFFL_SIR_SIN_220230615T220920_20230615T221316_E001	Backscatter Error (Retracker 3), SARIn X-	
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Backscatter Error (Retracker 3), SARIn x 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_20230615T225903_20230615T230039_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn x was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn x was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records	CS_OFFL_SIR_SIN_2_20230615T222017_20230615T222155_E001	Backscatter Error (Retracker 3), SARIn X-	
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CS_OFFL_SIR_SIN_2_20230615T230558_20230615T230710_E001 Backscatter Error (Retracker 3), SARIn x track Angle Error Backscatter Error (Retracker 2), SARIn x track Angle Error Backscatter Error (Retracker 3), SARIn x track Angle Error Backscatter Error (Retracker 2), SARIn x track Angle Error Backscatter Error (Retracker 2), SARIn x track Angle Error Backscatter Error (Retracker 2), SARIn x track Angle Error Backscatter Error (Retracker 2), SARIn x track Angle Error Backscatter Error (Retracker 3), SARIn x track Angle Error Backscatter Error (Retracker 2), SARIn x track Angle Error Backscatter Error (Retracker 3), SARIn x track Angle Error Backscatter Error (Retracker 3), SARIn x track Angle Error Backscatte	CS_OFFL_SIR_SIN_220230615T225903_20230615T230039_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20230615T230840_20230615T231103_E001 Backscatter Error (Retracker 3), SARIn x track Angle Error Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn x was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records 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_220230615T230558_20230615T230710_E001	Backscatter Error (Retracker 3), SARIn X-	
CS_OFFL_SIR_SIN_2_20230615T234326_20230615T234430_E001 Backscatter Error (Retracker 3), SARIn x track Angle Error, Surface model was detected for SARIn mode, and no DEM or Slope Model was used for the legation for one or more records.	CS_OFFL_SIR_SIN_220230615T230840_20230615T231103_E001	Backscatter Error (Retracker 3), SARIn X-	
unavailable unavailable	CS_OFFL_SIR_SIN_220230615T234326_20230615T234430_E001	Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model	
CS_OFFL_SIR_SIN_2_20230615T234544_20230615T234740_E001 Backscatter Error (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_220230615T234544_20230615T234740_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20230615T234746_20230615T235134_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_220230615T234746_20230615T235134_E001	Backscatter Error (Retracker 3), SARIn X-	