

20/12/2022





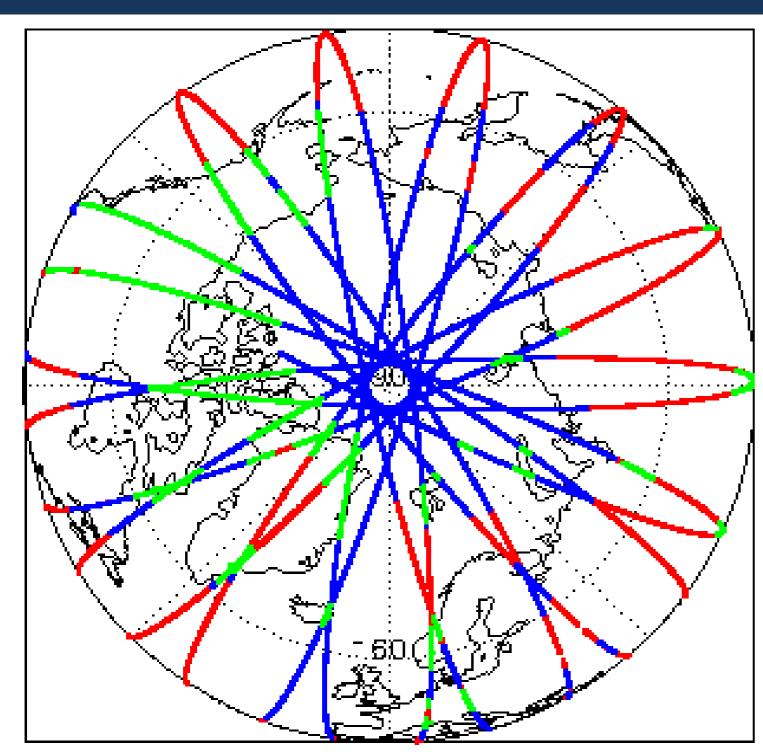
1. Overview

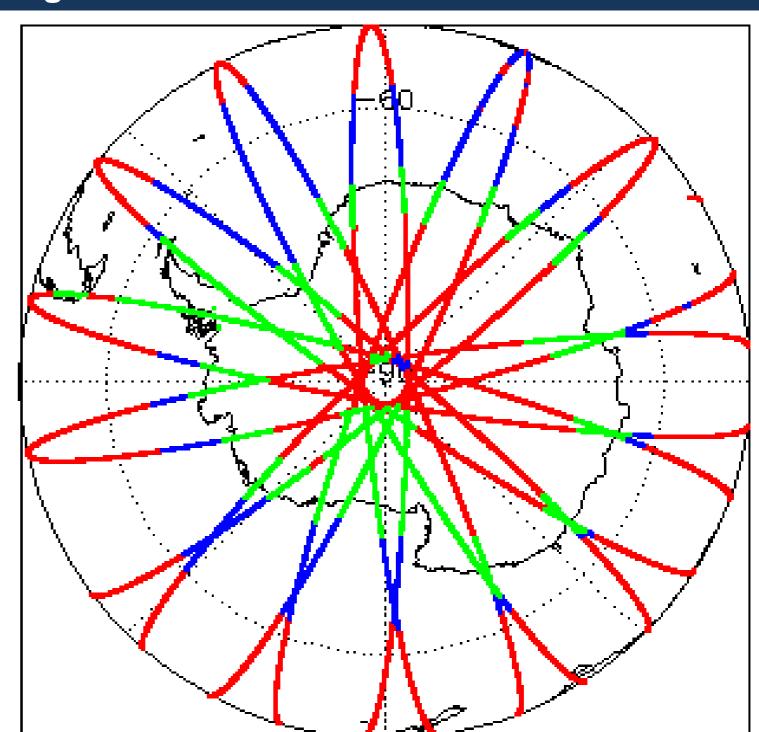
| Report Production Date: | 19-Jan-2023 | |
|-------------------------|-------------------------|--|
| Processor Used: | CryoSat Ice Processor | |
| Data Used: | L1B and L2 OFFLINE Data | |

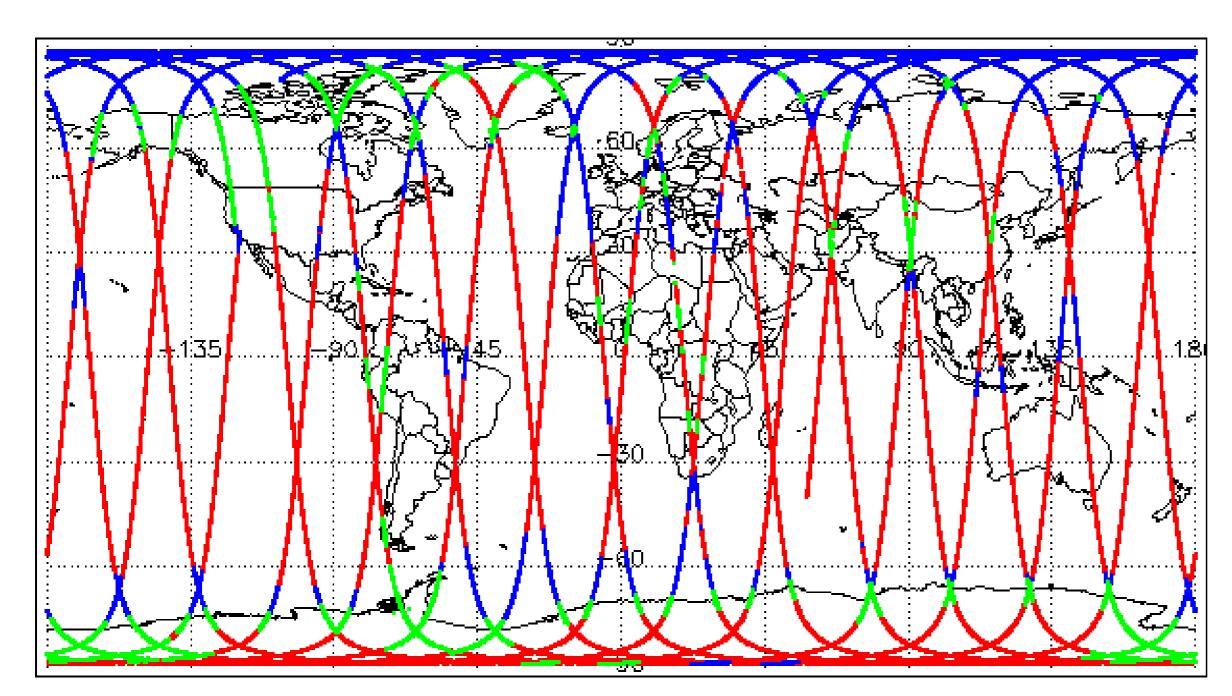
| Check | Status |
|--|------------------------------|
| Server check: science-pds.cryosat.esa.int | Nominal |
| Server check: calval-pds.cryosat.esa.int | Nominal |
| Product Software Check | Nominal |
| Product Format Check | Nominal |
| Product Header Analysis | Nominal |
| Star Tracker Usage Check | 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 |

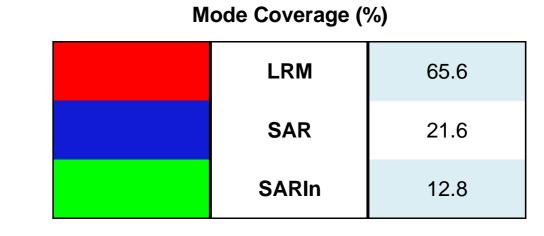
| Mission / Instru | ment News |
|------------------|-----------------|
| 19-Dec-2022 | None |
| 20-Dec-2022 | None |
| 21-Dec-2022 | Nothing planned |

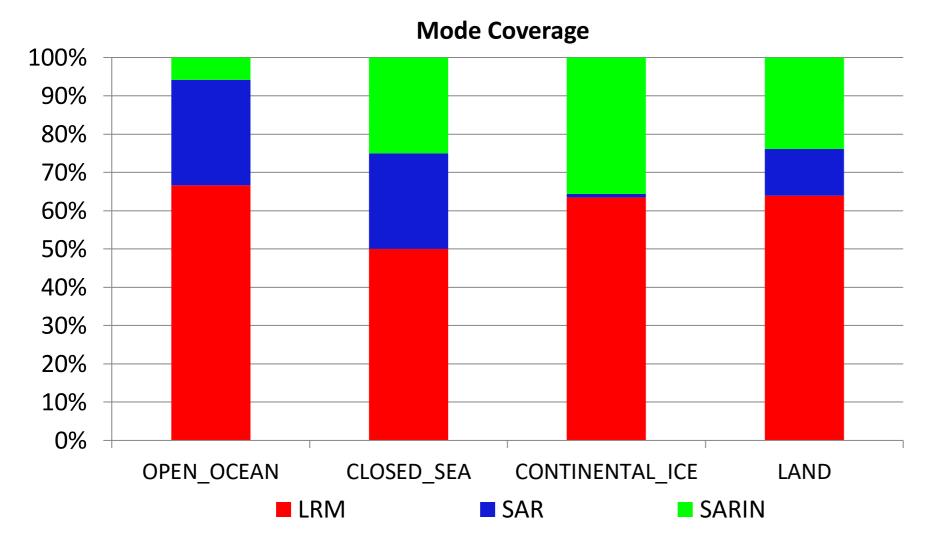
2. Global Coverage

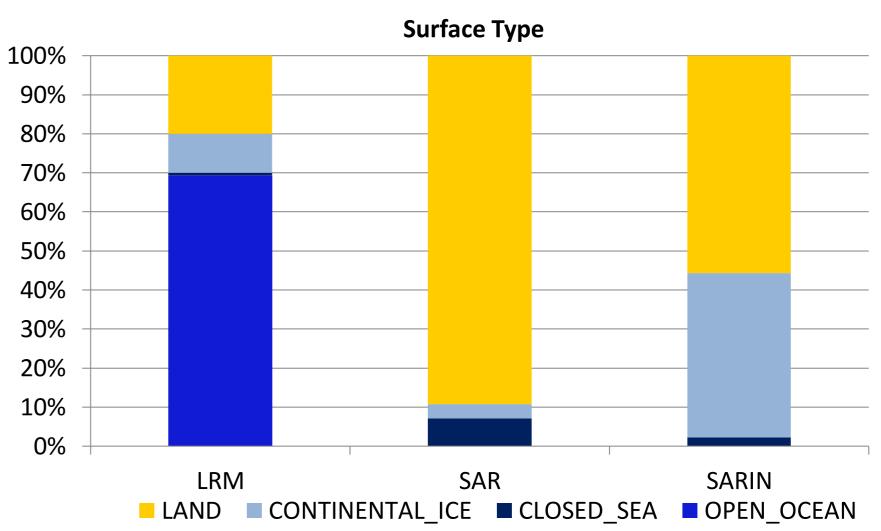












3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

0

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

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

Number of products with errors:

4.3 Star Tracker Usage Check

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

Number of products with errors:

4.4 L1B Tracking Flags Check

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

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

Number of products with errors:

131

| Product | Test Failed | Description |
|---|--------------|--|
| CS_OFFL_SIR_LRM_1B_20221220T002044_20221220T002851_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T002856_20221220T002915_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T002917_20221220T005553_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T010340_20221220T010710_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T015739_20221220T015944_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T020145_20221220T020359_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T020432_20221220T020524_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T020712_20221220T020811_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T020953_20221220T021817_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T021924_20221220T022311_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T022405_20221220T022741_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T023840_20221220T024404_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T034347_20221220T034443_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T034730_20221220T035259_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T041806_20221220T042303_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T042936_20221220T050251_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T050457_20221220T050502_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T050506_20221220T050517_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T050520_20221220T050549_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T060916_20221220T062442_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T062445_20221220T062459_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T063111_20221220T063923_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T063925_20221220T063939_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T063942_20221220T063947_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T063950_20221220T063956_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T064234_20221220T064309_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T064313_20221220T064351_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T064356_20221220T064358_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T064400_20221220T064410_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T064412_20221220T064434_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T064440_20221220T064452_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T064455_20221220T064521_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T064523_20221220T064526_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T064530_20221220T064541_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T071728_20221220T073213_E001 | Loss of echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_LRM_1B_20221220T073911_20221220T074122_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T074820_20221220T080300_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T080451_20221220T081626_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T081629_20221220T081918_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T081921_20221220T081934_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T081939_20221220T081948_E001 | Loss of echo | The tracking echo is missing for one or more records |

| CS_OFFL_SIR_LRM_1B_20221220T081952_20221220T082000_E001 | Loss of echo | The tracking echo is missing for one or more records |
|---|----------------------------|--|
| CS_OFFL_SIR_LRM_1B_20221220T082002_20221220T082009_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T082011_20221220T082112_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T082117_20221220T082122_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T082127_20221220T082137_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T082139_20221220T082146_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T082149_20221220T082153_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T082155_20221220T082525_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T084230_20221220T085009_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T085013_20221220T085258_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T085301_20221220T085306_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T085309_20221220T085317_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T085320_20221220T085329_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T085331_20221220T085428_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T095134_20221220T095203_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T095551_20221220T095626_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T095727_20221220T095759_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T095803_20221220T095843_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T095845_20221220T100417_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T101922_20221220T102411_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T102421_20221220T102447_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T102634_20221220T102933_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T102935_20221220T105244_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T110923_20221220T113224_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T113407_20221220T114051_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T114051_20221220T114154_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T114156_20221220T114233_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T124632_20221220T130638_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T130641_20221220T130840_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T130843_20221220T131437_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T131634_20221220T131745_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T131825_20221220T132014_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T132202_20221220T132407_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T143327_20221220T143658_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T143820_20221220T144301_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T144325_20221220T144455_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T144640_20221220T144825_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T145008_20221220T145114_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T145516_20221220T145526_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T145555_20221220T145558_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T145926_20221220T145943_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T162634_20221220T163102_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T165305_20221220T165309_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T165314_20221220T165339_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T165516_20221220T172839_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T183134_20221220T183227_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T183229_20221220T183240_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T183244_20221220T183259_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T183303_20221220T183323_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T183328_20221220T183347_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T183720_20221220T184605_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T185046_20221220T185134_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T185137_20221220T185137_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T185139_20221220T190817_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T192515_20221220T193904_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T194125_20221220T195451_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T201017_20221220T201352_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T201354_20221220T201437_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T201441_20221220T201444_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T201441_20221220T201506_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T201449_20221220T201500_E001 CS_OFFL_SIR_LRM_1B_20221220T201508_20221220T201512_E001 | Loss of echo | The tracking echo is missing for one or more records The tracking echo is missing for one or more records |
| | Loss of echo | The tracking echo is missing for one or more records |
| CS OFFI SIR I RM 1B 202212201201515 202212701201533 F003 | ILVAA ULEGIU | THE TRANSPORT OF THE PROPERTY OF THE TRANSPORT OF THE TRA |
| CS_OFFL_SIR_LRM_1B_20221220T201515_20221220T201533_E001 CS_OFFL_SIR_LRM_1B_20221220T201537_20221220T201546_E001 | | |
| CS_OFFL_SIR_LRM_1B_202212201201515_202212201201533_E001 CS_OFFL_SIR_LRM_1B_20221220T201537_20221220T201546_E001 CS_OFFL_SIR_LRM_1B_20221220T201548_20221220T201834_E001 | Loss of echo Loss of echo | The tracking echo is missing for one or more records The tracking echo is missing for one or more records |

| CS OFFL SIR LRM 18 20221220T210851 20221220T21476 E001 | CS_OFFL_SIR_LRM_1B_20221220T202049_20221220T203107_E001 | Loss of echo | The tracking echo is missing for one or more records |
|--|---|--------------|--|
| CS OFFL SIR LRM 1B 20221220T214740 20221220T215111 E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215114 20221220T215124 E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215126_20221220T215229_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T2152232 20221220T2152236 E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215232 20221220T215331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215332 20221220T215337 E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T21530_20221220T215337 E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T21540_20221220T215425_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215447_20221220T215425_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215447_20221220T2154509_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215449_20221220T215606_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215616_20221220T215604_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215616_20221220T215645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215648_20221220T215645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215648_20221220T215645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215649_20221220T215645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215649_20221220T215657_E001 Loss of echo The trac | CS_OFFL_SIR_LRM_1B_20221220T210651_20221220T211716_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T215114_20221220T215124_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215124_E0221220T21522_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215232_20221220T215232_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215232_20221220T215323_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215304_20221220T215337_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215340_20221220T215425_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215404_2001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215404_2001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215404_2001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215466_20221220T215402_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215560_2021220T215500_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215610_20221220T215601_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215616_20221220T215604_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215648_20221220T2156645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215684_20221220T2156657_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T2156959_20221220T230853_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T233159_20221220T233831_E001 Loss of echo The tracking echo is missing for one or more records CS | CS_OFFL_SIR_LRM_1B_20221220T211930_20221220T212456_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS OFFL SIR LRM 1B 20221220T215114 20221220T21524 E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215232_20221220T215236_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215239_20221220T215301_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215304_20221220T215337_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215304_20221220T215337_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T2154340_20221220T215426_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215447_20221220T215442_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215447_20221220T215452_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215456_20221220T215509_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215511 20221220T215509_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215511 20221220T215641_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215616_20221220T215644_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215648_20221220T215645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215648_20221220T215657_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215648_20221220T215657_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T23145 20221220T23353_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T233159_20221220T2333 | CS_OFFL_SIR_LRM_1B_20221220T212740_20221220T213405_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T215232_20221220T215236_E001 CS_OFFL_SIR_LRM_1B_20221220T215232_20221220T215236_E001 CS_OFFL_SIR_LRM_1B_20221220T215239_20221220T215301_E001 CS_OFFL_SIR_LRM_1B_20221220T215304_20221220T215307_E001 CS_OFFL_SIR_LRM_1B_20221220T215304_20221220T215307_E001 CS_OFFL_SIR_LRM_1B_20221220T215304_20221220T215425_E001 CS_OFFL_SIR_LRM_1B_20221220T215442_E001 CS_OFFL_SIR_LRM_1B_20221220T215442_E001 CS_OFFL_SIR_LRM_1B_20221220T215442_E001 CS_OFFL_SIR_LRM_1B_20221220T215442_E001 CS_OFFL_SIR_LRM_1B_20221220T215442_E001 CS_OFFL_SIR_LRM_1B_20221220T215442_E001 CS_OFFL_SIR_LRM_1B_20221220T215445_E001 CS_OFFL_SIR_LRM_1B_20221220T215456_E0021220T215509_E001 CS_OFFL_SIR_LRM_1B_20221220T215456_E0021220T215509_E001 CS_OFFL_SIR_LRM_1B_20221220T215511_20221220T21560_E001 CS_OFFL_SIR_LRM_1B_20221220T215510_20221220T215604_E001 CS_OFFL_SIR_LRM_1B_20221220T215616_20221220T215645_E001 CS_OFFL_SIR_LRM_1B_20221220T215616_20221220T215645_E001 CS_OFFL_SIR_LRM_1B_20221220T215616_20221220T215645_E001 CS_OFFL_SIR_LRM_1B_20221220T215616_20221220T215645_E001 CS_OFFL_SIR_LRM_1B_20221220T215616_20221220T215645_E001 CS_OFFL_SIR_LRM_1B_20221220T215616_20221220T215645_E001 CS_OFFL_SIR_LRM_1B_20221220T215648_E001 CS_OFFL_SIR_LRM_1B_20221220T215648_20221220T215645_E001 CS_OFFL_SIR_LRM_1B_20221220T215648_20221220T215645_E001 CS_OFFL_SIR_LRM_1B_20221220T215648_20221220T215645_E001 CS_OFFL_SIR_LRM_1B_20221220T215648_20221220T215645_E001 CS_OFFL_SIR_LRM_1B_20221220T215648_20221220T215645_E001 CS_OFFL_SIR_LRM_1B_20221220T215648_20221220T215645_E001 CS_OFFL_SIR_LRM_1B_20221220T215648_20221220T215645_E001 CS_OFFL_SIR_LRM_1B_20221220T215648_20221220T215645 CS_OFFL_SIR_LRM_1B_20221220T215778_20221220T215645 CS_OFFL_SIR_LRM_1B_20221220T215778_20221220T215657_E001 CS_OFFL_SIR_LRM_1B_20221220T230559_20221220T230557_E001 CS_OFFL_SIR_LRM_1B_20221220T230559_20221220T230557_E001 CS_OFFL_SIR_LRM_1B_20221220T231445_20221220T233744_E001 CS_OFFL_SIR_LRM_1B_20221220T233759_20221220T233331_E001 CS_OFFL_SIR_LRM_1B_ | CS_OFFL_SIR_LRM_1B_20221220T214844_20221220T215111_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20221220T215232_20221220T215236_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215304_20221220T215337_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215340_20221220T215452_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215447_20221220T215452_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215447_20221220T215452_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215447_20221220T215452_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215456_20221220T215508_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215511_20221220T215508_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215511_20221220T215606_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215610_20221220T215613_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215616_20221220T215645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215648_20221220T215645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T215648_20221220T215813_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T230569_20221220T230567_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T233146_2021220T233644_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T233146_2021220T233634_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221220T233659_20221220T233634_E001 Loss of echo The trackin | CS_OFFL_SIR_LRM_1B_20221220T215114_20221220T215124_E001 | Loss of echo | The tracking echo is missing for one or more records |
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| CS_OFFL_SIR_LRM_1B_20221220T224034_20221220T230557_E001 CS_OFFL_SIR_LRM_1B_20221220T230559_20221220T230853_E001 CS_OFFL_SIR_LRM_1B_20221220T231145_20221220T231228_E001 CS_OFFL_SIR_LRM_1B_20221220T231145_20221220T231228_E001 CS_OFFL_SIR_LRM_1B_20221220T233159_20221220T233744_E001 CS_OFFL_SIR_LRM_1B_20221220T233759_20221220T233831_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 | CS_OFFL_SIR_LRM_1B_20221220T215648_20221220T215657_E001 | Loss of echo | The tracking echo is missing for one or more records |
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| | CS_OFFL_SIR_LRM_1B_20221220T234019_20221221T000528_E001 | Loss of echo | The tracking echo is missing for one or more records |

4.5 L1B Calibration Usage Check

Each product is checked in order to ensure that the necessary calibration files have been used in processing.

Number of products with errors:

4.6 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.7 L1B Auxiliary Correction Error Check

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

Number of products with errors:

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:

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:

0

5.4 L2 Auxiliary Correction Error Check

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

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:

117

| Product | Test Failed | Description |
|--|------------------|---|
| CS_OFFL_SIR_SAR_220221219T235802_20221219T235958_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_20221220T001817_20221220T002044_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_220221220T005554_20221220T005722_E001 | Snow depth model | There is an error with the Snow Depth value, where one or more records |
| CS_OFFL_SIR_SAR_2_20221220T010845_20221220T011008_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_220221220T011008_20221220T011200_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_220221220T014627_20221220T014641_E001 | Snow depth model | falls outside of the extent of the current snow depth model |
| CS_OFFL_SIR_SAR_220221220T014829_20221220T015739_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_20221220T015945_20221220T020144_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_220221220T020525_20221220T020711_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_220221220T020812_20221220T020953_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_220221220T022741_20221220T023007_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_220221220T023149_20221220T023348_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_220221220T023405_20221220T023715_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_220221220T024717_20221220T025040_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_20221220T031208_20221220T031453_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_20221220T032422_20221220T033354_E001 | Snow depth model | There is an error with the Snow Depth value, where one or more records |
| CS_OFFL_SIR_SAR_220221220T033622_20221220T033631_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_220221220T034136_20221220T034315_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_220221220T034541_20221220T034730_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_220221220T041319_20221220T041651_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_220221220T042626_20221220T042935_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_220221220T050251_20221220T050315_E001 | Snow depth model | falls outside of the extent of the current snow depth model |
| CS_OFFL_SIR_SAR_220221220T050318_20221220T050359_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_220221220T050405_20221220T050444_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_220221220T050450_20221220T050455_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_220221220T051253_20221220T051833_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_220221220T051910_20221220T052656_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_220221220T055042_20221220T055740_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_220221220T060836_20221220T060916_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_20221220T062630_20221220T063111_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_220221220T063959_20221220T064022_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_220221220T064026_20221220T064035_E001 | Snow depth model | There is an error with the Snow Depth value, where one or more records |
| CS_OFFL_SIR_SAR_220221220T064049_20221220T064052_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_220221220T064055_20221220T064108_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_220221220T004035_20221220T004105_E001 | | falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records |
| | Snow depth model | falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records |
| CS_OFFL_SIR_SAR_2_20221220T064149_20221220T064156_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_220221220T064213_20221220T064227_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_220221220T064230_20221220T064234_E001 | Snow depth model | falls outside of the extent of the current snow depth model |
| CS_OFFL_SIR_SAR_220221220T065850_20221220T065913_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_220221220T071514_20221220T071727_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_20221220T073214_20221220T073257_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_220221220T074759_20221220T074820_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_20221220T080301_20221220T080450_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_20221220T083438_20221220T083629_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_220221220T083836_20221220T083959_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_220221220T084004_20221220T084230_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_220221220T091344_20221220T091511_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_220221220T092715_20221220T092802_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_220221220T095029_20221220T095134_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_20221220T101624_20221220T101922_E001 | Snow depth model | There is an error with the Snow Depth value, where one or more records |
| | · | falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records |
| CS_OFFL_SIR_SAR_220221220T102411_20221220T102421_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_220221220T102447_20221220T102633_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_220221220T105244_20221220T105445_E001 | Snow depth model | falls outside of the extent of the current snow depth model |
| CS_OFFL_SIR_SAR_220221220T110611_20221220T110714_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_220221220T110910_20221220T110922_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_220221220T114233_20221220T114423_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_220221220T120346_20221220T120408_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_220221220T120411_20221220T120516_E001 | Snow depth model | There is an error with the Snow Depth value, where one or more records |
| CS_OFFL_SIR_SAR_220221220T123043_20221220T123411_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_220221220T124541_20221220T124632_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_220221220T131437_20221220T131544_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_220221220T131603_20221220T131634_E001 | Snow depth model | falls outside of the extent of the current snow depth model |
| CS_OFFL_SIR_SAR_220221220T132014_20221220T132202_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_220221220T141021_20221220T141402_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_220221220T142402_20221220T142634_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_220221220T142911_20221220T142917_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_220221220T143039_20221220T143326_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_220221220T145114_20221220T145516_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_20221220T145719_20221220T145925_E001 | Snow depth model | There is an error with the Snow Depth value, where one or more records |
| CS_OFFL_SIR_SAR_2_20221220T150425_20221220T151253_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_20221220T151607_20221220T151632_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_220221220T152523_20221220T152808_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_220221220T155002_20221220T155255_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_220221220T155725_20221220T155730_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_220221220T160302_20221220T160624_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_220221220T161642_20221220T161829_E001 | Snow depth model | falls outside of the extent of the current snow depth model |
| CS_OFFL_SIR_SAR_220221220T163102_20221220T163736_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_220221220T163736_20221220T163943_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_220221220T164012_20221220T164220_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_220221220T165339_20221220T165358_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_220221220T165401_20221220T165414_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_220221220T165419_20221220T165422_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_220221220T165426_20221220T165437_E001 | Snow depth model | There is an error with the Snow Depth value, where one or more records |
| CS_OFFL_SIR_SAR_220221220T165442_20221220T165516_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_220221220T172839_20221220T172927_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_220221220T173624_20221220T173629_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_220221220T173637_20221220T173644_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_220221220T174134_20221220T174409_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_220221220T174409_20221220T174723_E001 | Snow depth model | falls outside of the extent of the current snow depth model |
| CS_OFFL_SIR_SAR_220221220T181836_20221220T181857_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_220221220T183347_20221220T183634_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_220221220T183653_20221220T183720_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_220221220T184606_20221220T185046_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_220221220T190817_20221220T190833_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_220221220T191523_20221220T191529_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_20221220T191536_20221220T191542_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 |
| | I | I |

| CS_OFFL_SIR_SAR_220221220T191938_20221220T192515_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_220221220T193904_20221220T194125_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_20221220T195451_20221220T195732_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_220221220T195930_20221220T200114_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_220221220T203107_20221220T203247_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_220221220T204657_20221220T204747_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_220221220T205435_20221220T205441_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_220221220T212619_20221220T212740_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_220221220T213405_20221220T213748_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_220221220T220240_20221220T220346_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_220221220T222615_20221220T222707_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_220221220T223917_20221220T224034_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_220221220T024405_20221220T024716_E001 | Mean Sea Surface model | There is an error with the Mean Sea Surface for one or more records |
| CS_OFFL_SIR_SIN_220221220T042304_20221220T042625_E001 | Mean Sea Surface model | There is an error with the Mean Sea Surface for one or more records |
| CS_OFFL_SIR_SIN_220221220T055741_20221220T060016_E001 | Mean Sea Surface model | There is an error with the Mean Sea Surface for one or more records |
| CS_OFFL_SIR_SIN_220221220T060209_20221220T060835_E001 | Mean Sea Surface model | There is an error with the Mean Sea Surface for one or more records |
| CS_OFFL_SIR_SIN_220221220T073257_20221220T073910_E001 | Mean Sea Surface model | There is an error with the Mean Sea Surface for one or more records |
| CS_OFFL_SIR_SIN_220221220T141402_20221220T141721_E001 | Mean Sea Surface model | There is an error with the Mean Sea Surface for one or more records |
| CS_OFFL_SIR_SIN_220221220T155255_20221220T155615_E001 | Mean Sea Surface model | There is an error with the Mean Sea Surface for one or more records |
| CS_OFFL_SIR_SIN_220221220T191731_20221220T191938_E001 | Mean Sea Surface model | There is an error with the Mean Sea Surface for one or more records |
| CS_OFFL_SIR_SIN_220221220T205617_20221220T210310_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: 232

| Product | Test Failed | Description |
|---|---|--|
| CS_OFFL_SIR_LRM_220221220T002917_20221220T005553_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_220221220T011200_20221220T014507_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_220221220T015739_20221220T015944_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_220221220T020432_20221220T020524_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_220221220T022405_20221220T022741_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_220221220T025040_20221220T031208_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_220221220T033631_20221220T033951_E001 | | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220221220T035609_20221220T041319_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_220221220T042936_20221220T050251_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_220221220T052656_20221220T055042_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_220221220T060916_20221220T062442_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_220221220T062503_20221220T062630_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_220221220T063111_20221220T063923_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_220221220T065913_20221220T071513_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_220221220T071728_20221220T073213_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_220221220T074820_20221220T080300_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_220221220T080451_20221220T081626_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_220221220T084230_20221220T085009_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_220221220T085013_20221220T085258_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_220221220T085925_20221220T091344_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_220221220T092803_20221220T095028_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_220221220T095803_20221220T095843_E001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_220221220T095845_20221220T100417_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_220221220T102634_20221220T102933_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_220221220T102935_20221220T105244_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_220221220T110923_20221220T113224_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_220221220T120516_20221220T123042_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_220221220T124632_20221220T130638_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_220221220T130641_20221220T130840_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_220221220T130843_20221220T131437_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_220221220T132202_20221220T132407_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_220221220T133703_20221220T141021_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_220221220T145008_20221220T145114_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_220221220T150039_20221220T150424_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_220221220T151632_20221220T152523_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_220221220T152808_20221220T155001_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_220221220T160625_20221220T161642_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_220221220T161829_20221220T162428_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_220221220T162634_20221220T163102_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_220221220T165516_20221220T172839_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_220221220T174723_20221220T181836_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_220221220T183720_20221220T184605_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_220221220T185046_20221220T185134_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_220221220T185139_20221220T190817_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_220221220T192515_20221220T193904_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_220221220T194125_20221220T195451_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_220221220T202049_20221220T203107_E001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |

| | Height Error (Retracker 2), Backscatter | There is a height and backscatter error for Retracker 2 for one or more |
|--|--|--|
| CS_OFFL_SIR_LRM_220221220T203247_20221220T204657_E001 | Error (Retracker 2) | records |
| CS_OFFL_SIR_LRM_220221220T210651_20221220T211716_E001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220221220T211930_20221220T212456_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_220221220T220346_20221220T222615_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_220221220T224034_20221220T230557_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_220221220T234019_20221221T000528_E001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_SAR_2_20221220T000906_20221220T001757_E001 | Backscatter Error (Retracker 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_20221220T001817_20221220T002044_E001 | Backscatter Error (Retracker 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_20221220T005554_20221220T005722_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T010845_20221220T011008_E001 | Backscatter Error (Retracker 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_20221220T011008_20221220T011200_E001 | Backscatter Error (Retracker 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_20221220T014829_20221220T015739_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T015945_20221220T020144_E001 | Backscatter Error (Retracker 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_20221220T020525_20221220T020711_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T020812_20221220T020953_E001 | Backscatter Error (Retracker 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_20221220T022741_20221220T023007_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T023149_20221220T023348_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T023405_20221220T023715_E001 | Backscatter Error (Retracker 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_20221220T024717_20221220T025040_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T031208_20221220T031453_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T032422_20221220T033354_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T033354_20221220T033522_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T033622_20221220T033631_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T034136_20221220T034315_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T034541_20221220T034730_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T041319_20221220T041651_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T042626_20221220T042935_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T050318_20221220T050359_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T050611_20221220T051253_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T051253_20221220T051833_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T051910_20221220T052656_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T055042_20221220T055740_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T060836_20221220T060916_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T062630_20221220T063111_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |

| CS_OFFL_SIR_SAR_220221220T064055_20221220T064108_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
|---|---|--|
| CS_OFFL_SIR_SAR_220221220T064110_20221220T064145_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T064542_20221220T065142_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T065142_20221220T065252_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T065850_20221220T065913_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T071514_20221220T071727_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T073214_20221220T073257_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T074759_20221220T074820_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T080301_20221220T080450_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T082542_20221220T082715_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T082745_20221220T082936_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T082936_20221220T083210_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T083438_20221220T083629_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T083836_20221220T083959_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T084004_20221220T084230_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T091344_20221220T091511_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T092715_20221220T092802_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T095029_20221220T095134_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T100417_20221220T100521_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T100521_20221220T101124_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T101624_20221220T101922_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T102447_20221220T102633_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T105244_20221220T105445_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T110611_20221220T110714_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T110910_20221220T110922_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T114233_20221220T114423_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T114500_20221220T114616_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T114639_20221220T115146_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T120411_20221220T120516_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T123043_20221220T123411_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T124541_20221220T124632_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T131437_20221220T131544_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T131603_20221220T131634_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T132014_20221220T132202_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |

| CS_OFFL_SIR_SAR_220221220T132407_20221220T132528_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
|---|---|--|
| CS_OFFL_SIR_SAR_220221220T132538_20221220T133347_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T141021_20221220T141402_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T142402_20221220T142634_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T142911_20221220T142917_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T143039_20221220T143326_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T145114_20221220T145516_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T145719_20221220T145925_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T150425_20221220T151253_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T151607_20221220T151632_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T152523_20221220T152808_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T155002_20221220T155255_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T160302_20221220T160624_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T161642_20221220T161829_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T163102_20221220T163736_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T163736_20221220T163943_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T164012_20221220T164220_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T164514_20221220T165214_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T165442_20221220T165516_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T172839_20221220T172927_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T174134_20221220T174409_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T174409_20221220T174723_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T181836_20221220T181857_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T182415_20221220T182958_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T183012_20221220T183134_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T183347_20221220T183634_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T183653_20221220T183720_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T184606_20221220T185046_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T190817_20221220T190833_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T191938_20221220T192515_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T195451_20221220T195732_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T195930_20221220T200114_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T200330_20221220T200511_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T200511_20221220T201017_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |

| CS_OFFL_SIR_SAR_220221220T203107_20221220T203247_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
|--|--|---|
| CS_OFFL_SIR_SAR_220221220T204657_20221220T204747_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T212619_20221220T212740_E001 | Backscatter Error (Retracker 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_20221220T213405_20221220T213748_E001 | Backscatter Error (Retracker 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_20221220T214158_20221220T214719_E001 | Backscatter Error (Retracker 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_20221220T214746_20221220T214844_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T220240_20221220T220346_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T222615_20221220T222707_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T223917_20221220T224034_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T232021_20221220T233006_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220221220T233007_20221220T233018_E001 | Backscatter Error (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_220221219T235958_20221220T000905_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable Backscatter Error (Retracker 2), | 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_220221220T001757_20221220T001816_E001 | Backscatter Error (Retracker 3), SARIn X-track Angle Error, Surface model unavailable | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_220221220T005722_20221220T005846_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_220221220T010711_20221220T010844_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_220221220T014507_20221220T014626_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_220221220T014706_20221220T014829_E001 | Backscatter Error (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_220221220T023715_20221220T023839_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error Backscatter Error (Retracker 3) | 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_220221220T024405_20221220T024716_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error Backscatter Error (Retracker 2), | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220221220T033522_20221220T033622_E001 | Backscatter Error (Retracker 3), SARIn X-track Angle Error, Surface model unavailable | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_220221220T033951_20221220T034136_E001 | Backscatter Error (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_220221220T034444_20221220T034540_E001 | Backscatter Error (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_220221220T035259_20221220T035609_E001 | Backscatter Error (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_220221220T041652_20221220T041806_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error Backscatter Error (Retracker 2) | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220221220T042304_20221220T042625_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error Backscatter Error (Retracker 2), | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220221220T051833_20221220T051909_E001 | Backscatter Error (Retracker 3), SARIn X- | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_220221220T055741_20221220T060016_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_220221220T060209_20221220T060835_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_220221220T065252_20221220T065413_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_220221220T065708_20221220T065849_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_220221220T073257_20221220T073910_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_220221220T074123_20221220T074207_E001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |

| CS_OFFL_SIR_SIN_220221220T074624_20221220T074759_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_220221220T082526_20221220T082542_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_220221220T082715_20221220T082745_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_220221220T083211_20221220T083314_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_220221220T083352_20221220T083437_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_220221220T083629_20221220T083836_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_220221220T085429_20221220T085925_E001 | Backscatter Error (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_220221220T091511_20221220T091704_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_220221220T092527_20221220T092715_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_220221220T095203_20221220T095551_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_220221220T101125_20221220T101624_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_220221220T105445_20221220T105605_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_220221220T105803_20221220T105849_E001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220221220T110346_20221220T110610_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_220221220T113224_20221220T113407_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_220221220T114424_20221220T114500_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable Backscatter Error (Retracker 2), | 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_220221220T114616_20221220T114639_E001 | Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_220221220T123411_20221220T123532_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_220221220T123606_20221220T123812_E001 | SARIn X-track Angle Error | An ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220221220T124411_20221220T124540_E001 | Hackecatter From IRetracker 31 Surin X. | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220221220T132529_20221220T132537_E001 | Backscatter Error (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_220221220T133347_20221220T133703_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_220221220T141402_20221220T141721_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_220221220T142243_20221220T142402_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_220221220T145944_20221220T150039_E001 | Backscatter Error (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_220221220T151253_20221220T151607_E001 | Backscatter Error (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_220221220T155255_20221220T155615_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_220221220T160138_20221220T160302_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error Backscatter Error (Retracker 2) | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220221220T163943_20221220T164012_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_220221220T164220_20221220T164513_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_220221220T172928_20221220T173124_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_220221220T174000_20221220T174134_E001 | IBackscatter Ettor (Betracker 3) SARIN XI | 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_220221220T181857_20221220T182000_E001 | IBackscatter Error (Betracker 3) SARIN XI | 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_220221220T182314_20221220T182414_E001 | TRACKSCATTEL ETTOL (RETTACKEL 3) SARID XI | 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_220221220T182959_20221220T183012_E001 | track Angle Error, Surface model unavailable | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_220221220T190833_20221220T191012_E001 | track Angle Error | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220221220T191731_20221220T191938_E001 | IBACKSCATTEL ELLUL (BETTACKEL 3) ZARIN XI | 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_220221220T195732_20221220T195930_E001 | track Angle Error | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220221220T200114_20221220T200329_E001 | track Angle Error Surface model | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_220221220T204747_20221220T204934_E001 | TRACKSCATTOR FIRM LEGITACKOR 31 SURIN X1 | 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_220221220T205617_20221220T210310_E001 | IRACKECATION FUNT (ROTIACKON 3) ZARIN XI | 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_220221220T210447_20221220T210651_E001 | track Angle Error Surface model | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| LS OFFE SIR SINEA 2022/12/11/16 2022/12/11/11/19/9 FOOT | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| LS OFFE SIR SINE / /11//11//11//11//11//11//11//11//11/ | Backscatter Error (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_220221220T213748_20221220T214158_E001 | track Angle Error Surface model | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_220221220T214720_20221220T214745_E001 | Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| US UFFL SIR SIN / /U//1//UL/15814 /U//1//UL//UL/3 FUUL | | 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_220221220T222707_20221220T223011_E001 | track Angle Error | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220221220T223714_20221220T223916_E001 | track Angle Error | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records |
| CS_OFFL_SIR_SIN_220221220T231229_20221220T232021_E001 | track Angle Error Surface model | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| 1.5 OFFE SIR SIN / /U//1//UL/33831 /U//1//UL/33846 FUUT | | An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records |