

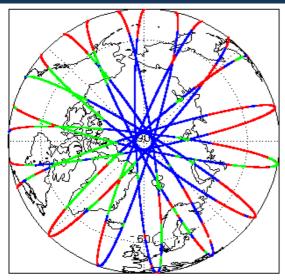
## 1. Overview

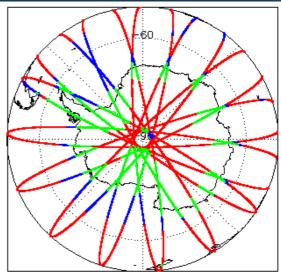
| Report Production Date: | 02-Mar-2022             |
|-------------------------|-------------------------|
| Processor Used:         | CryoSat Ice Processor   |
| Data Used:              | L1B and L2 OFFLINE Data |

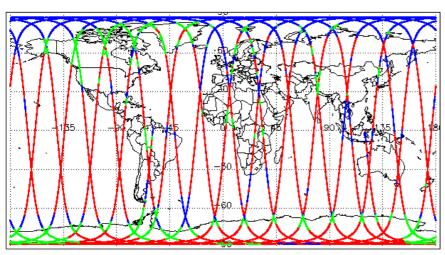
| Check                                      | Status                       |
|--|------------------------------|
| Server check: science-pds.cryosat.esa.int  | Nominal                      |
| Server check: calval-pds.cryosat.esa.int   | Nominal                      |
| Product Software Check                     | 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  | Nominal                      |
| L1B & L2 Measurement Confidence Data Check | See Section 4.8 and 5.5      |
| QCC Errors/ Warnings                       | See Section 6.1, 6.2 and 6.3 |

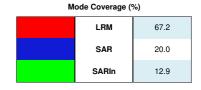
| Mission / Instru | iment News      |
|------------------|-----------------|
| 30-Jan-2022      | None            |
| 31-Jan-2022      | None            |
| 01-Feb-2022      | Nothing planned |

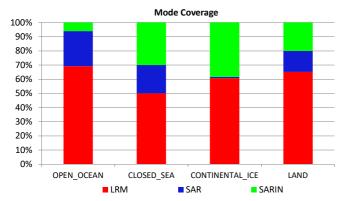
# 2. Global Coverage

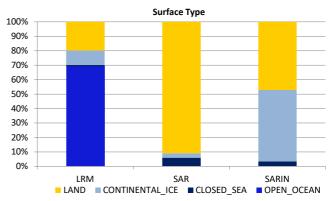












## 3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

# 4. Level 1B Data Quality Check

#### 4.1 L1B Product Format Check

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

Number of products with errors:

#### 4.2 L1B Product Header Analysis

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

Number of products with errors:

Λ

### 4.3 Star Tracker Usage Check

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

Number of products with errors:

0

# 4.4 L1B Tracking Flags Check

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

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

lumber of products with errors: 10

| Product   | Test Failed  | Description  |
|---|--------------|--|
| CS_OFFL_SIR_LRM_1B_20220131T000206_20220131T000337_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T000352_20220131T000522_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T000525_20220131T001056_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T002243_20220131T002527_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T005547_20220131T005858_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T005905_20220131T005947_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T005949_20220131T010345_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T010348_20220131T010353_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T010355_20220131T010359_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T010404_20220131T010526_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T010528_20220131T010536_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T010538_20220131T011007_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T012527_20220131T013117_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T013402_20220131T013646_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T013649_20220131T013652_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T013655_20220131T015807_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T020040_20220131T020919_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T021142_20220131T023643_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T023913_20220131T023913_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T023916_20220131T023953_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T024128_20220131T024528_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T030024_20220131T030113_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T030236_20220131T030736_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T030837_20220131T030935_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T030937_20220131T030942_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T030944_20220131T031149_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T031152_20220131T033633_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T035022_20220131T041707_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T041711_20220131T041804_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T041806_20220131T041821_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T041826_20220131T041826_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T041828_20220131T042035_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T042112_20220131T042337_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T042337_20220131T042557_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T044355_20220131T051539_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T053944_20220131T054622_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T054817_20220131T055313_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T055419_20220131T055451_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T055734_20220131T055826_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T060001_20220131T060117_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T060659_20220131T060746_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T072922_20220131T073647_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T073841_20220131T073953_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T082810_20220131T083357_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T093648_20220131T093707_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T093714_20220131T093724_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T093726_20220131T093759_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T095720_20220131T100643_E001 | Loss of echo | The tracking echo is missing for one or more records |
|   |              |  |

| CS OFFI SID LDM 1D 20220121T100640 20220121T101207 F004   |  |   |
|---|--|---|
| CS_OFFL_SIR_LRM_1B_20220131T100649_20220131T101327_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T102035_20220131T102253_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T103122_20220131T104348_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
|   |  |   |
| CS_OFFL_SIR_LRM_1B_20220131T111533_20220131T111545_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T111552_20220131T111603_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T111609_20220131T111629_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T111634_20220131T111645_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T111647_20220131T111702_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
|   |  |   |
| CS_OFFL_SIR_LRM_1B_20220131T111707_20220131T111707_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T111711_20220131T111836_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T111842_20220131T111903_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS OFFL SIR LRM 1B 20220131T111906 20220131T111919 E001   | Loss of echo   | * *   |
|   |  | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T112053_20220131T112102_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T112105_20220131T112115_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T112118_20220131T112118_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T112121_20220131T112127_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
|   |  |   |
| CS_OFFL_SIR_LRM_1B_20220131T112448_20220131T113446_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T113650_20220131T115214_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T120804_20220131T122035_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T122516_20220131T123654_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
|   |  | •   |
| CS_OFFL_SIR_LRM_1B_20220131T123750_20220131T123811_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T125415_20220131T125758_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T125800_20220131T125842_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS OFFL SIR LRM 1B 20220131T125936 20220131T125948 E001   | Loss of echo   | The tracking echo is missing for one or more records  |
|   |  |   |
| CS_OFFL_SIR_LRM_1B_20220131T125952_20220131T130008_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T130012_20220131T130016_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T130022_20220131T130048_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T130050_20220131T130055_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
|   |  |   |
| CS_OFFL_SIR_LRM_1B_20220131T130058_20220131T130327_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T130331_20220131T130332_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T130336_20220131T130408_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T130411_20220131T130621_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
|   |  |   |
| CS_OFFL_SIR_LRM_1B_20220131T130632_20220131T130754_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T134441_20220131T141148_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T141406_20220131T141931_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T143323_20220131T143923_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
|   |  |   |
| CS_OFFL_SIR_LRM_1B_20220131T143926_20220131T143950_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T143952_20220131T144024_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T144028_20220131T144031_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T144523_20220131T150550_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161409_20220131T161445_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
|   |  |   |
| CS_OFFL_SIR_LRM_1B_20220131T161448_20220131T161543_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161545_20220131T161600_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161602_20220131T161604_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
|   | 1  |   |
| CS OFFL SIR LBM 1B 20220131T161607 20220131T161738 F001   |  | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161607_20220131T161738_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
|   |  |   |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001   | Loss of echo   | The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001   | Loss of echo Loss of echo 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 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_20220131T161740_20220131T161753_E001  CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001  CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001  CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001  CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001   | Loss of echo   | The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001  CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001  CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001  CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001  CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001  CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_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_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001   | Loss of echo   | The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001  CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001  CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001  CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001  CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001  CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_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_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175842_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001   | Loss of echo   | The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001  CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001  CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001  CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001  CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001  CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001  CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175842_E001  CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001  CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001   | Loss of echo  | The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001  CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001  CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001  CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001  CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001  CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001  CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175842_E001  CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001  CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001  CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T181236_E001  | Loss of echo  | The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175842_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001   | Loss of echo  | The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001  CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001  CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001  CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001  CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001  CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001  CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175842_E001  CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001  CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001  CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T181236_E001  | Loss of echo  | The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175842_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T181236_E001 CS_OFFL_SIR_LRM_1B_20220131T181323_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T181323_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193657_E001   | Loss of echo   | The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing 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_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175842_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T181236_E001 CS_OFFL_SIR_LRM_1B_20220131T181323_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T181323_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193758_E001   | Loss of echo   | The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing 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_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175842_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T181323_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T194639_E001   | Loss of echo   | The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing 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_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T181236_E001 CS_OFFL_SIR_LRM_1B_20220131T181323_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_2022013T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_2022013T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_2022013T1201628_E001   | Loss of echo   | The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing 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_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175842_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182126_E001 CS_OFFL_SIR_LRM_1B_20220131T181323_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T194639_E001   | Loss of echo   | The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing 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_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175842_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T181236_E001 CS_OFFL_SIR_LRM_1B_20220131T181323_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_2022013T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_2022013T1794639_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_2022013T1794639_E001  | Loss of echo  | The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175842_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T181236_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T194657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T201128_20220131T201628_E001 CS_OFFL_SIR_LRM_1B_20220131T2012232_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205809_20220131T205902_E001  | Loss of echo  | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175842_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T181236_E001 CS_OFFL_SIR_LRM_1B_20220131T181323_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T201128_20220131T201628_E001 CS_OFFL_SIR_LRM_1B_20220131T202232_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205809_20220131T205918_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205918_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175842_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T181236_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T194657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T201128_20220131T201628_E001 CS_OFFL_SIR_LRM_1B_20220131T2012232_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205809_20220131T205902_E001  | Loss of echo  | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175842_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T181236_E001 CS_OFFL_SIR_LRM_1B_20220131T181323_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T201128_20220131T201628_E001 CS_OFFL_SIR_LRM_1B_20220131T202232_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205809_20220131T205918_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205918_E001   | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T181323_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T201128_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205809_20220131T205902_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205918_E001 CS_OFFL_SIR_LRM_1B_20220131T205902_2020131T205903_E001  | Loss of echo   | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T18323_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T201128_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205809_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205809_20220131T205902_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205918_E001 CS_OFFL_SIR_LRM_1B_20220131T205902_2020131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205902_2020131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205902_2020131T22594_E001  | Loss of echo   | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T175842_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T181323_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205232_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205902_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205902_2020131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205920_20220131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205920_2020131T22594_E001 CS_OFFL_SIR_LRM_1B_20220131T205920_2020131T22594_E001 CS_OFFL_SIR_LRM_1B_20220131T221828_20220131T225312_E001  | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T16223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T181323_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205232_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205902_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205920_2020131T22594_E001 CS_OFFL_SIR_LRM_1B_20220131T22235_2022013T223312_E001 CS_OFFL_SIR_LRM_1B_20220131T22235_2022013T223312_E001 CS_OFFL_SIR_LRM_1B_20220131T22235_2022013T223312_E001 CS_OFFL_SIR_LRM_1B_20220131T22235_2022013T223312_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_2022013T223312_E001   | Loss of echo  | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T175842_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T181323_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205232_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205902_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205902_2020131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205920_20220131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205920_2020131T22594_E001 CS_OFFL_SIR_LRM_1B_20220131T205920_2020131T22594_E001 CS_OFFL_SIR_LRM_1B_20220131T221828_20220131T225312_E001  | Loss of echo   | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T16223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T181323_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205232_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205902_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205920_2020131T22594_E001 CS_OFFL_SIR_LRM_1B_20220131T22235_2022013T223312_E001 CS_OFFL_SIR_LRM_1B_20220131T22235_2022013T223312_E001 CS_OFFL_SIR_LRM_1B_20220131T22235_2022013T223312_E001 CS_OFFL_SIR_LRM_1B_20220131T22235_2022013T223312_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_2022013T223312_E001   | Loss of echo  | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T175034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182161_E001 CS_OFFL_SIR_LRM_1B_20220131T181323_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_20220131T201628_E001 CS_OFFL_SIR_LRM_1B_20220131T201128_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205902_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205902_2020131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205920_20220131T221954_E001 CS_OFFL_SIR_LRM_1B_20220131T221828_20220131T223312_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223619_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T22368_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T22368_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T22368_E001   | Loss of echo  | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180049_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182166_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193657_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T201128_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205909_20220131T205902_E001 CS_OFFL_SIR_LRM_1B_20220131T205909_20220131T205903_E001 CS_OFFL_SIR_LRM_1B_20220131T205900_20220131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205902_2020131T221826_E001 CS_OFFL_SIR_LRM_1B_20220131T220216_20220131T223619_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223619_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223638_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223638_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_2022013T223654_E001   | Loss of echo   | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182166_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T201128_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205902_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205902_E001 CS_OFFL_SIR_LRM_1B_20220131T205902_2020131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205902_20220131T2205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205920_20220131T223626_E001 CS_OFFL_SIR_LRM_1B_20220131T220216_20220131T223626_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223619_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223654_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223654_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223654_E001 CS_OFFL_SIR_LRM_1B_20220131T223664_20220131T223659_E001   | Loss of echo                           | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T175034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175842_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182166_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182161_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T101128_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205909_20220131T205902_E001 CS_OFFL_SIR_LRM_1B_20220131T205909_20220131T205902_E001 CS_OFFL_SIR_LRM_1B_20220131T205909_20220131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205909_20220131T2205923_E001 CS_OFFL_SIR_LRM_1B_20220131T220590_20220131T223626_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223619_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223638_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223654_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223654_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223659_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223659_E001 CS_OFFL_SIR_LRM_1B_20220131T223657_20220131T223659_E001 CS_OFFL_SIR_LRM_1B_20220131T223669_2020131T223659_E001 CS_OFFL_SIR_LRM_1B_20220131T223669_20220131T223659_E001 CS_OFFL_SIR_LRM_1B_20220131T223669_20220131T223659_E001 CS_OFFL_SIR_LRM_1B_20220131T223669_20220131T223659_E001 CS_OFFL_SIR_LRM_1B_20220131T223609_20220131T223659_E001 CS_OFFL_SIR_LRM_1B_20220131T223609_20220131T223659_E001 | Loss of echo   | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175842_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182161_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T201128_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205909_20220131T205902_E001 CS_OFFL_SIR_LRM_1B_20220131T205909_20220131T205902_E001 CS_OFFL_SIR_LRM_1B_20220131T205902_2020131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205902_20220131T2205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205902_2020131T2205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205902_20220131T223619_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223619_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223638_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223654_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223654_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223654_E001 CS_OFFL_SIR_LRM_1B_20220131T223664_20220131T223659_E001   | Loss of echo                           | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20220131T161740_20220131T161753_E001 CS_OFFL_SIR_LRM_1B_20220131T161755_20220131T162207_E001 CS_OFFL_SIR_LRM_1B_20220131T162210_20220131T162221_E001 CS_OFFL_SIR_LRM_1B_20220131T162223_20220131T165021_E001 CS_OFFL_SIR_LRM_1B_20220131T165705_20220131T170034_E001 CS_OFFL_SIR_LRM_1B_20220131T175503_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T175754_20220131T175721_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180029_20220131T180038_E001 CS_OFFL_SIR_LRM_1B_20220131T180041_20220131T180135_E001 CS_OFFL_SIR_LRM_1B_20220131T180401_20220131T182166_E001 CS_OFFL_SIR_LRM_1B_20220131T18323_20220131T182101_E001 CS_OFFL_SIR_LRM_1B_20220131T193639_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T193721_20220131T193758_E001 CS_OFFL_SIR_LRM_1B_20220131T194051_20220131T194639_E001 CS_OFFL_SIR_LRM_1B_20220131T201128_20220131T205524_E001 CS_OFFL_SIR_LRM_1B_20220131T205505_20220131T205902_E001 CS_OFFL_SIR_LRM_1B_20220131T205905_20220131T205902_E001 CS_OFFL_SIR_LRM_1B_20220131T205902_2020131T205923_E001 CS_OFFL_SIR_LRM_1B_20220131T205920_20220131T223626_E001 CS_OFFL_SIR_LRM_1B_20220131T223622_20220131T223629_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223629_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223654_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223659_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223659_E001 CS_OFFL_SIR_LRM_1B_20220131T223608_20220131T223659_E001 CS_OFFL_SIR_LRM_1B_20220131T223664_20220131T223659_E001 CS_OFFL_SIR_LRM_1B_20220131T223657_20220131T223659_E001 CS_OFFL_SIR_LRM_1B_20220131T223665_20220131T223659_E001 CS_OFFL_SIR_LRM_1B_20220131T223605_20220131T223659_E001 CS_OFFL_SIR_LRM_1B_20220131T223605_20220131T223659_E001 CS_OFFL_SIR_LRM_1B_20220131T223605_20220131T223659_E001 CS_OFFL_SIR_LRM_1B_20220131T223605_20220131T223659_E001   | Loss of echo | The tracking echo is missing for one or more records |

| CS_OFFL_SIR_LRM_1B_20220131T223749_20220131T223750_E001 | Loss of echo | The tracking echo is missing for one or more records |
|---|--------------|--|
| CS_OFFL_SIR_LRM_1B_20220131T223754_20220131T223810_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T223817_20220131T223824_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T223828_20220131T223901_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T231051_20220131T232529_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T233237_20220131T233446_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T234132_20220131T235357_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T235409_20220131T235659_E001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20220131T235900_20220201T000820_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 (field 54) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

#### 4.8 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement record. The bit value of this flag indicates any problems when set.

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

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

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

Number of products with errors:

## 5. Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

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

Number of products with errors:

#### 5.2 L2 Product Header Analysis

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

Number of products with errors:

#### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

#### 5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

### 5.5 L2 Measurement Quality Flag Check

CryoSat L2 data includes a quality flag (field 50) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.

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

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

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

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

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

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

Number of products with errors: 247

| Product   | Test Failed  | Description   |
|---|--|---|
| CS_OFFL_SIR_LRM_220220131T004837_20220131T005120_E001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |
| CS_OFFL_SIR_LRM_220220131T010348_20220131T010353_E001 | Surface Model Unavailable                                      | No DEM or Slope Model was used for the location of one or more records          |
| CS_OFFL_SIR_LRM_220220131T010404_20220131T010526_E001 | Surface Model Unavailable                                      | No DEM or Slope Model was used for the location of one or more records          |
| CS_OFFL_SIR_LRM_220220131T012527_20220131T013117_E001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |

| CS_OFFL_SIR_LRM_220220131T013402_20220131T013646_E001   | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records  |
|---|--|--|
| CS_OFFL_SIR_LRM_2_20220131T013655_20220131T015807_E001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records  |
| CS_OFFL_SIR_LRM_220220131T021142_20220131T023643_E001   | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records  |
| CS_OFFL_SIR_LRM_2_20220131T024734_20220131T024735_E001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records  |
| CS_OFFL_SIR_LRM_2_20220131T031152_20220131T033633_E001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records  |
| CS_OFFL_SIR_LRM_2_20220131T035022_20220131T041707_E001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records  |
| CS_OFFL_SIR_LRM_2_20220131T044355_20220131T051539_E001  | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records   |
| CS_OFFL_SIR_LRM_2_20220131T053944_20220131T054622_E001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records  |
| CS_OFFL_SIR_LRM_2_20220131T060659_20220131T060746_E001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records  |
| CS_OFFL_SIR_LRM_2_20220131T062047_20220131T065521_E001  | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable   | There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records   |
| CS_OFFL_SIR_LRM_2_20220131T070825_20220131T071116_E001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records  |
| CS_OFFL_SIR_LRM_2_20220131T071149_20220131T072734_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_220220131T073841_20220131T073953_E001   | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records  |
| CS_OFFL_SIR_LRM_2_20220131T074559_20220131T074607_E001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records  |
| CS_OFFL_SIR_LRM_2_20220131T080004_20220131T080922_E001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records  |
| CS_OFFL_SIR_LRM_2_20220131T081138_20220131T082759_E001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records  |
| CS_OFFL_SIR_LRM_2_20220131T082810_20220131T083357_E001  | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable   | There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records   |
| CS_OFFL_SIR_LRM_2_20220131T084736_20220131T090944_E001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records  |
| CS_OFFL_SIR_LRM_220220131T091020_20220131T091458_E001   | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records  |
| CC OEEL CID LDM 0 00000104T004E47 00000404T000000 F004  | Height Error (Retracker 2), Backscatter  | There is a height and backscatter error for Retracker 2 for one or more  |
| CS_OFFL_SIR_LRM_220220131T091517_20220131T092302_E001   | Error (Retracker 2)  | records  |
| CS_OFFL_SIR_LRM_2_20220131T091517_20220131T092302_E001  CS_OFFL_SIR_LRM_2_20220131T094159_20220131T095535_E001  | Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)   | *  |
|   | Height Error (Retracker 2), Backscatter  | records  There is a height and backscatter error for Retracker 2 for one or more   |
| CS_OFFL_SIR_LRM_2_20220131T094159_20220131T095535_E001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)<br>Height Error (Retracker 2), Backscatter  | records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more  |
| CS_OFFL_SIR_LRM_2_20220131T094159_20220131T095535_E001  CS_OFFL_SIR_LRM_2_20220131T095720_20220131T100643_E001  | Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter  | records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more   |
| CS_OFFL_SIR_LRM_2_20220131T094159_20220131T095535_E001  CS_OFFL_SIR_LRM_2_20220131T095720_20220131T100643_E001  CS_OFFL_SIR_LRM_2_20220131T100649_20220131T101327_E001  | Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter   | records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  |
| CS_OFFL_SIR_LRM_2_20220131T094159_20220131T095535_E001  CS_OFFL_SIR_LRM_2_20220131T095720_20220131T100643_E001  CS_OFFL_SIR_LRM_2_20220131T100649_20220131T101327_E001  CS_OFFL_SIR_LRM_2_20220131T103122_20220131T104348_E001  | Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter  | records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records   |
| CS_OFFL_SIR_LRM_2_20220131T094159_20220131T095535_E001  CS_OFFL_SIR_LRM_2_20220131T095720_20220131T100643_E001  CS_OFFL_SIR_LRM_2_20220131T100649_20220131T101327_E001  CS_OFFL_SIR_LRM_2_20220131T103122_20220131T104348_E001  CS_OFFL_SIR_LRM_2_20220131T104455_20220131T110146_E001  | Height Error (Retracker 2), Backscatter Error (Retracker 2)  | records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records   |
| CS_OFFL_SIR_LRM_2_20220131T094159_20220131T095535_E001  CS_OFFL_SIR_LRM_2_20220131T095720_20220131T100643_E001  CS_OFFL_SIR_LRM_2_20220131T100649_20220131T101327_E001  CS_OFFL_SIR_LRM_2_20220131T103122_20220131T104348_E001  CS_OFFL_SIR_LRM_2_20220131T104455_20220131T110146_E001  CS_OFFL_SIR_LRM_2_20220131T112448_20220131T113446_E001  | Height Error (Retracker 2), Backscatter Error (Retracker 2)  | records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  |
| CS_OFFL_SIR_LRM_2_20220131T094159_20220131T095535_E001  CS_OFFL_SIR_LRM_2_20220131T095720_20220131T100643_E001  CS_OFFL_SIR_LRM_2_20220131T100649_20220131T101327_E001  CS_OFFL_SIR_LRM_2_20220131T103122_20220131T104348_E001  CS_OFFL_SIR_LRM_2_20220131T104455_20220131T110146_E001  CS_OFFL_SIR_LRM_2_20220131T112448_20220131T113446_E001  CS_OFFL_SIR_LRM_2_20220131T112448_20220131T115214_E001  | Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error           | records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records   |
| CS_OFFL_SIR_LRM_2_20220131T094159_20220131T095535_E001  CS_OFFL_SIR_LRM_2_20220131T095720_20220131T100643_E001  CS_OFFL_SIR_LRM_2_20220131T100649_20220131T101327_E001  CS_OFFL_SIR_LRM_2_20220131T103122_20220131T104348_E001  CS_OFFL_SIR_LRM_2_20220131T104455_20220131T110146_E001  CS_OFFL_SIR_LRM_2_20220131T112448_20220131T113446_E001  CS_OFFL_SIR_LRM_2_20220131T113650_20220131T115214_E001  CS_OFFL_SIR_LRM_2_20220131T1120804_20220131T1122035_E001  | Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) | records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records   |
| CS_OFFL_SIR_LRM_2_20220131T094159_20220131T095535_E001  CS_OFFL_SIR_LRM_2_20220131T095720_20220131T100643_E001  CS_OFFL_SIR_LRM_2_20220131T100649_20220131T101327_E001  CS_OFFL_SIR_LRM_2_20220131T103122_20220131T104348_E001  CS_OFFL_SIR_LRM_2_20220131T104455_20220131T110146_E001  CS_OFFL_SIR_LRM_2_20220131T112448_20220131T113446_E001  CS_OFFL_SIR_LRM_2_20220131T113650_20220131T115214_E001  CS_OFFL_SIR_LRM_2_20220131T1120804_20220131T112035_E001  CS_OFFL_SIR_LRM_2_20220131T120804_20220131T1123654_E001  | Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)                        | records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records   |
| CS_OFFL_SIR_LRM_2_20220131T094159_20220131T095535_E001  CS_OFFL_SIR_LRM_2_20220131T095720_20220131T100643_E001  CS_OFFL_SIR_LRM_2_20220131T100649_20220131T101327_E001  CS_OFFL_SIR_LRM_2_20220131T103122_20220131T104348_E001  CS_OFFL_SIR_LRM_2_20220131T104455_20220131T110146_E001  CS_OFFL_SIR_LRM_2_20220131T112448_20220131T113446_E001  CS_OFFL_SIR_LRM_2_20220131T113650_20220131T115214_E001  CS_OFFL_SIR_LRM_2_20220131T120804_20220131T12035_E001  CS_OFFL_SIR_LRM_2_20220131T122516_20220131T123654_E001  CS_OFFL_SIR_LRM_2_20220131T123934_20220131T124103_E001   | Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Surface Model Unavailable  Height Error (Retracker 2), Backscatter  | records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  No DEM or Slope Model was used for the location of one or more records  There is a height and backscatter error for Retracker 2 for one or more records   |
| CS_OFFL_SIR_LRM_2_20220131T094159_20220131T095535_E001  CS_OFFL_SIR_LRM_2_20220131T095720_20220131T100643_E001  CS_OFFL_SIR_LRM_2_20220131T100649_20220131T101327_E001  CS_OFFL_SIR_LRM_2_20220131T103122_20220131T104348_E001  CS_OFFL_SIR_LRM_2_20220131T104455_20220131T110146_E001  CS_OFFL_SIR_LRM_2_20220131T112448_20220131T113446_E001  CS_OFFL_SIR_LRM_2_20220131T113650_20220131T115214_E001  CS_OFFL_SIR_LRM_2_20220131T120804_20220131T12035_E001  CS_OFFL_SIR_LRM_2_20220131T122516_20220131T123654_E001  CS_OFFL_SIR_LRM_2_20220131T123934_20220131T124103_E001  CS_OFFL_SIR_LRM_2_20220131T123934_20220131T133117_E001 | Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3)  Height Error (Retracker 2), Backscatter Error (Retracker 3)  Surface Model Unavailable  Height Error (Retracker 2), Backscatter Error (Retracker 2)  | records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  No DEM or Slope Model was used for the location of one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records |

|  | lu : 1. 5 (D. 1. 6) 11 : 1. 5   |  |
|--|---|--|
| CS_OFFL_SIR_LRM_2_20220131T162223_20220131T165021_E001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)       | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_2_20220131T170437_20220131T173834_E001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_2_20220131T175123_20220131T175253_E001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_2_20220131T180029_20220131T180038_E001 | Height Error (Retracker 2), Backscatter Error (Retracker 2)                                   | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_2_20220131T182712_20220131T183003_E001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_2_20220131T184323_20220131T190538_E001 | Height Error (Retracker 2), Backscatter Error (Retracker 2)                                   | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_2_20220131T193016_20220131T193251_E001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220220131T194051_20220131T194639_E001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_2_20220131T194931_20220131T200920_E001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_2_20220131T202232_20220131T205524_E001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)       | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_2_20220131T212110_20220131T214405_E001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_2_20220131T220216_20220131T221826_E001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_2_20220131T221828_20220131T221954_E001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_2_20220131T222435_20220131T223312_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_220220131T225210_20220131T230838_E001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220220131T231051_20220131T232529_E001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_2_20220131T234132_20220131T235357_E001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                                | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_2_20220131T235409_20220131T235659_E001 | Height Error (Retracker 2), Height Error<br>(Retracker 3), Backscatter Error<br>(Retracker 2) | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_2_20220131T235900_20220201T000820_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_220220131T001057_20220131T001456_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)                           | There is a backscatter error for Retracker 2 and 3 for one or more records   |
| CS_OFFL_SIR_SAR_2_20220131T001514_20220131T001537_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)                           | There is a backscatter error for Retracker 2 and 3 for one or more records   |
| CS_OFFL_SIR_SAR_2_20220131T003154_20220131T003217_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)                           | There is a backscatter error for Retracker 2 and 3 for one or more records   |
| CS_OFFL_SIR_SAR_2_20220131T004658_20220131T004837_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)                           | There is a backscatter error for Retracker 2 and 3 for one or more records   |
| CS_OFFL_SIR_SAR_2_20220131T005121_20220131T005302_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)                           | There is a backscatter error for Retracker 2 and 3 for one or more records   |
| CS_OFFL_SIR_SAR_2_20220131T005302_20220131T005547_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)                           | There is a backscatter error for Retracker 2 and 3 for one or more records   |
| CS_OFFL_SIR_SAR_2_20220131T011008_20220131T011133_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)                           | There is a backscatter error for Retracker 2 and 3 for one or more records   |
| CS_OFFL_SIR_SAR_2_20220131T011152_20220131T011614_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)                           | There is a backscatter error for Retracker 2 and 3 for one or more records   |
| CS_OFFL_SIR_SAR_2_20220131T011830_20220131T011918_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)                           | There is a backscatter error for Retracker 2 and 3 for one or more records   |
| CS_OFFL_SIR_SAR_220220131T012147_20220131T012404_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)                           | There is a backscatter error for Retracker 2 and 3 for one or more records   |
| CS_OFFL_SIR_SAR_220220131T013118_20220131T013238_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)                           | There is a backscatter error for Retracker 2 and 3 for one or more records   |
| CS_OFFL_SIR_SAR_220220131T015808_20220131T015856_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)                           | There is a backscatter error for Retracker 2 and 3 for one or more records   |
| CS_OFFL_SIR_SAR_220220131T021101_20220131T021142_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)                           | There is a backscatter error for Retracker 2 and 3 for one or more records   |
| CS_OFFL_SIR_SAR_220220131T024735_20220131T024737_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)                           | There is a backscatter error for Retracker 2 and 3 for one or more records   |
| CS_OFFL_SIR_SAR_220220131T024738_20220131T025002_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)                           | There is a backscatter error for Retracker 2 and 3 for one or more records   |

| CS_OFFL_SIR_SAR_2_20220131T025008_20220131T025112_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
|--|---|--|
| CS_OFFL_SIR_SAR_2_20220131T025131_20220131T025539_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T033633_20220131T033835_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T034957_20220131T035021_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T042558_20220131T043619_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T051540_20220131T051819_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T052915_20220131T052936_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T053539_20220131T053944_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T055451_20220131T055734_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T055827_20220131T055930_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T060520_20220131T060549_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T060746_20220131T060849_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T060934_20220131T061722_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T065522_20220131T065800_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T070746_20220131T070825_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T071116_20220131T071149_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T073647_20220131T073841_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T074031_20220131T074103_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T074103_20220131T074342_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T074425_20220131T074558_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T074607_20220131T074857_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T074926_20220131T080004_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220220131T080922_20220131T081137_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T083358_20220131T083518_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220220131T084648_20220131T084736_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T091458_20220131T091516_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T092404_20220131T092444_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T092908_20220131T093203_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T093203_20220131T093648_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T093804_20220131T094021_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T094058_20220131T094159_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220220131T095535_20220131T095720_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_220220131T100643_20220131T100649_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T102440_20220131T103121_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |

| CS_OFFL_SIR_SAR_2_20220131T104348_20220131T104454_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
|--|---|--|
| CS_OFFL_SIR_SAR_2_20220131T110817_20220131T111339_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T111412_20220131T111532_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T112329_20220131T112448_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T113446_20220131T113649_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T115214_20220131T115236_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T120344_20220131T120602_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T120730_20220131T120803_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T124103_20220131T124148_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T124715_20220131T125415_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T130837_20220131T131610_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T133117_20220131T133137_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T134354_20220131T134441_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T141148_20220131T141406_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T142538_20220131T143044_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T143123_20220131T143323_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T150550_20220131T150642_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T151110_20220131T151132_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T152314_20220131T152356_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T155125_20220131T155302_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T160244_20220131T161115_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T161137_20220131T161409_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T165021_20220131T165041_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T170217_20220131T170437_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T174151_20220131T174925_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T174930_20220131T175123_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T175254_20220131T175502_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T175842_20220131T180028_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T180135_20220131T180401_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T182101_20220131T182350_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T182513_20220131T182712_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T183003_20220131T183040_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T184043_20220131T184322_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |
| CS_OFFL_SIR_SAR_2_20220131T190538_20220131T190816_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3) | There is a backscatter error for Retracker 2 and 3 for one or more records |

| CS_OFFL_SIR_SAR_220220131T191711_20220131T192719_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
|--|--|---|
| CS_OFFL_SIR_SAR_220220131T192719_20220131T192843_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T192952_20220131T193016_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T193452_20220131T193639_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T193858_20220131T194051_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_2_20220131T200921_20220131T201013_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_2_20220131T201948_20220131T202232_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T205525_20220131T205709_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T205713_20220131T205808_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_2_20220131T205928_20220131T210618_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T210618_20220131T211205_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T211224_20220131T212109_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T214406_20220131T215104_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T220200_20220131T220216_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T221954_20220131T222435_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T223312_20220131T223320_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T223445_20220131T223545_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T223922_20220131T224506_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T224507_20220131T224617_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T225138_20220131T225210_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T230838_20220131T231051_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T232529_20220131T232616_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T232755_20220131T232838_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T234124_20220131T234132_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SAR_220220131T235700_20220131T235859_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SIN_2_20220131T001456_20220131T001513_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SIN_2_20220131T001636_20220131T002243_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                                    | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T002527_20220131T002542_E001 | SARIn X-track Angle Error  | An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_SIN_2_20220131T003012_20220131T003153_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error<br>Backgrafter 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_2_20220131T011133_20220131T011152_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error, Surface model<br>unavailable      | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_2_20220131T011614_20220131T011829_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                                    | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T011918_20220131T012146_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error, Surface model<br>unavailable      | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_2_20220131T012405_20220131T012527_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SIN_2_20220131T013239_20220131T013401_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |

| CS_OFFL_SIR_SIN_2_20220131T015857_20220131T020039_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
|--|---|---|
| CS_OFFL_SIR_SIN_2_20220131T020919_20220131T021101_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T023643_20220131T023912_E001 | SARIn X-track Angle Error, Surface model unavailable  | An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T023953_20220131T024109_E001 | SARIn X-track Angle Error, Surface model unavailable  | An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T025002_20220131T025008_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)   | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SIN_2_20220131T025112_20220131T025131_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error, Surface model<br>unavailable | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_2_20220131T025539_20220131T030023_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error, Surface model<br>unavailable | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_2_20220131T033835_20220131T034008_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T034140_20220131T034255_E001 | SARIn X-track Angle Error   | An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_SIN_2_20220131T034715_20220131T034956_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T043619_20220131T044355_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error, Surface model<br>unavailable | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_2_20220131T051819_20220131T052208_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T052756_20220131T052915_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T055930_20220131T060000_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)   | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SIN_2_20220131T060358_20220131T060520_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)   | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SIN_2_20220131T060619_20220131T060659_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)   | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SIN_2_20220131T060850_20220131T060934_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error, Surface model<br>unavailable | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_2_20220131T061722_20220131T061836_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)   | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SIN_2_20220131T061918_20220131T062046_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error, Surface model<br>unavailable | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_2_20220131T065800_20220131T070115_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T070628_20220131T070745_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T072735_20220131T072922_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)   | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SIN_2_20220131T074858_20220131T074925_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)   | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SIN_2_20220131T083518_20220131T083934_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T084535_20220131T084648_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T090945_20220131T091019_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)   | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SIN_2_20220131T092445_20220131T092718_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T092745_20220131T092907_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T101327_20220131T101451_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T102254_20220131T102439_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T110146_20220131T110605_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T110709_20220131T110817_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |

| CS_OFFL_SIR_SIN_2_20220131T111340_20220131T111412_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>track Angle Error, Surface model<br>unavailable | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
|--|--|---|
| CS_OFFL_SIR_SIN_2_20220131T112127_20220131T112329_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SIN_2_20220131T115236_20220131T115419_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T120111_20220131T120344_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T120602_20220131T120729_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T123811_20220131T123934_E001 | SARIn X-track Angle Error, Surface model unavailable   | An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T124149_20220131T124543_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>track Angle Error, Surface model<br>unavailable | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_2_20220131T124543_20220131T124715_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>track Angle Error, Surface model<br>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_220220131T133137_20220131T133351_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>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_220220131T134022_20220131T134353_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T142147_20220131T142538_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>track Angle Error, Surface model<br>unavailable | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_2_20220131T143044_20220131T143123_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>track Angle Error, Surface model<br>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_220220131T144031_20220131T144209_E001  | SARIn X-track Angle Error, Surface model unavailable   | An ambiguous angle was detected for SARIn mode and no DEM or Slope<br>Model was used for one or more records  |
| CS_OFFL_SIR_SIN_2_20220131T144308_20220131T144523_E001 | SARIn X-track Angle Error, Surface model unavailable   | An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T151132_20220131T151359_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T151744_20220131T151750_E001 | SARIn X-track Angle Error  | An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_SIN_220220131T152132_20220131T152314_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>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_220220131T155302_20220131T160244_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>track Angle Error, Surface model<br>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_220220131T161115_20220131T161137_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>track Angle Error, Surface model<br>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_220220131T165042_20220131T165206_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>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_220220131T170035_20220131T170217_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>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_220220131T173835_20220131T173951_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>track Angle Error, Surface model<br>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_220220131T174044_20220131T174151_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SIN_2_20220131T174926_20220131T174930_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SIN_220220131T183040_20220131T183203_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>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_220220131T183730_20220131T184043_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T192844_20220131T192951_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>track Angle Error, Surface model<br>unavailable | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_2_20220131T193251_20220131T193452_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SIN_220220131T193759_20220131T193857_E001  |  | 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_220220131T194639_20220131T194931_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3)  | There is a backscatter error for Retracker 2 and 3 for one or more records  |
| CS_OFFL_SIR_SIN_2_20220131T201013_20220131T201127_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X-<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |

| CS_OFFL_SIR_SIN_2_20220131T201628_20220131T201948_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
|--|---|---|
| CS_OFFL_SIR_SIN_2_20220131T211205_20220131T211224_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error, Surface model<br>unavailable | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_2_20220131T215104_20220131T215341_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T215534_20220131T220200_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T224617_20220131T224737_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T225024_20220131T225134_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T232617_20220131T232754_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error, Surface model<br>unavailable | There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records |
| CS_OFFL_SIR_SIN_2_20220131T232839_20220131T233237_E001 | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>track Angle Error                               | There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records   |
| CS_OFFL_SIR_SIN_2_20220131T233447_20220131T233534_E001 | SARIn X-track Angle Error   | An ambiguous angle was detected for SARIn mode for one or more records  |
| CS_OFFL_SIR_SIN_220220131T233949_20220131T234123_E001  | Backscatter Error (Retracker 2),<br>Backscatter Error (Retracker 3), SARIn X<br>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   |