



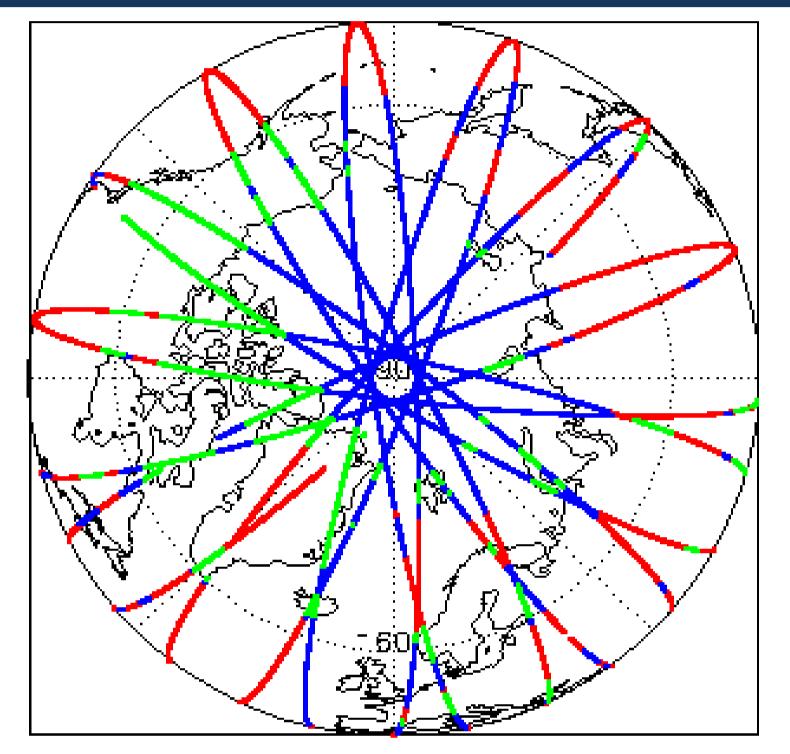
1. Overview

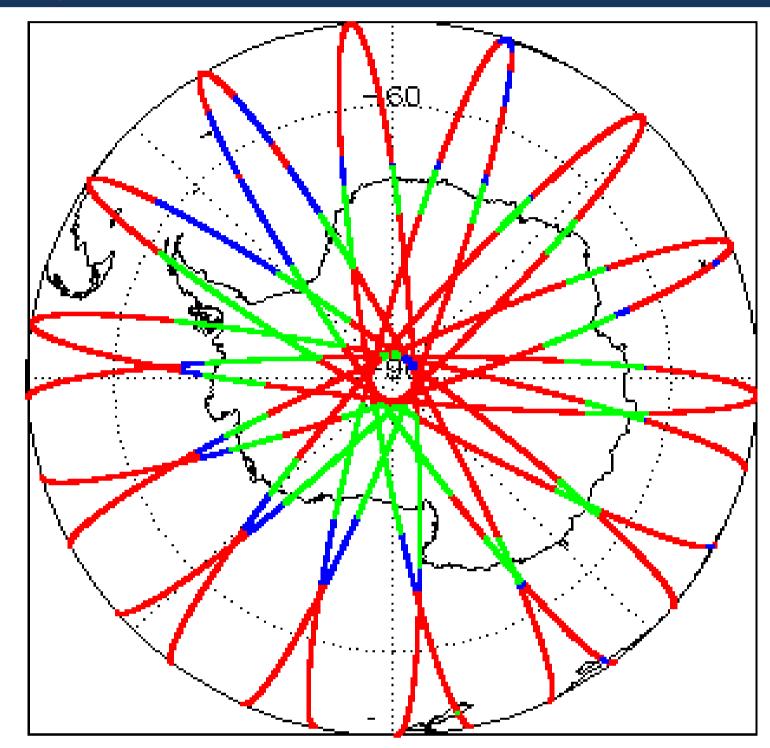
| Report Production Date: | 08-Apr-2020 | |
|--------------------------------|-------------------------|--|
| Processor Used: | CryoSat Ice Processor | |
| Data Used: | L1B and L2 OFFLINE Data | |

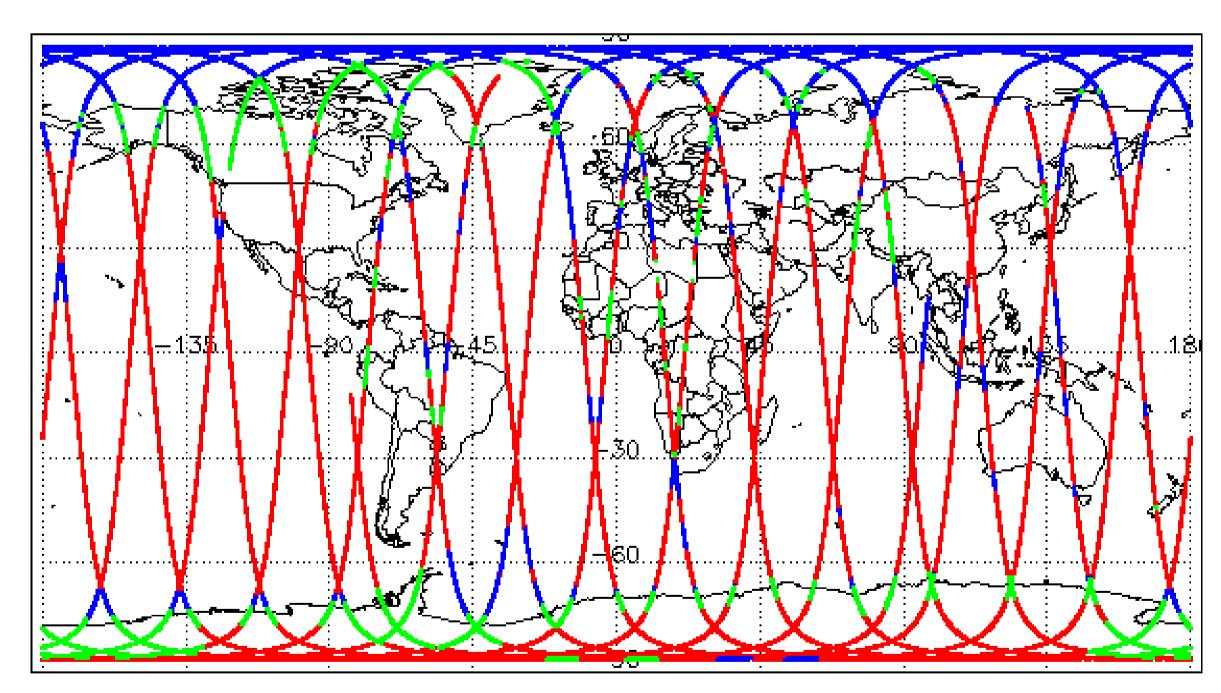
| Check | Status |
|--|-------------------------|
| Server check: science-pds.cryosat.esa.int | Nominal |
| Server check: calval-pds.cryosat.esa.int | Nominal |
| Product Software Check | Nominal |
| Product Format Check | Nominal |
| Product Header Analysis | Nominal |
| Star Tracker Usage Check | Nominal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

| Mission / Instru | iment News |
|------------------|-----------------|
| 07-Mar-2020 | None |
| 08-Mar-2020 | None |
| 09-Mar-2020 | Nothing planned |

2. Global Coverage



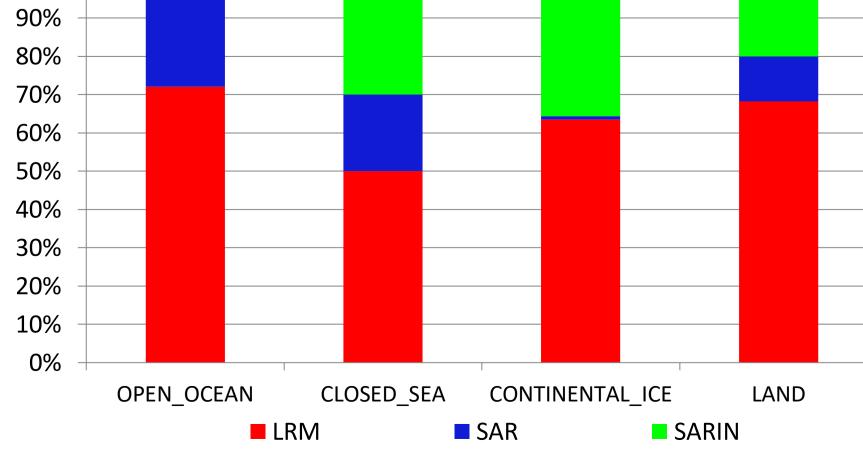


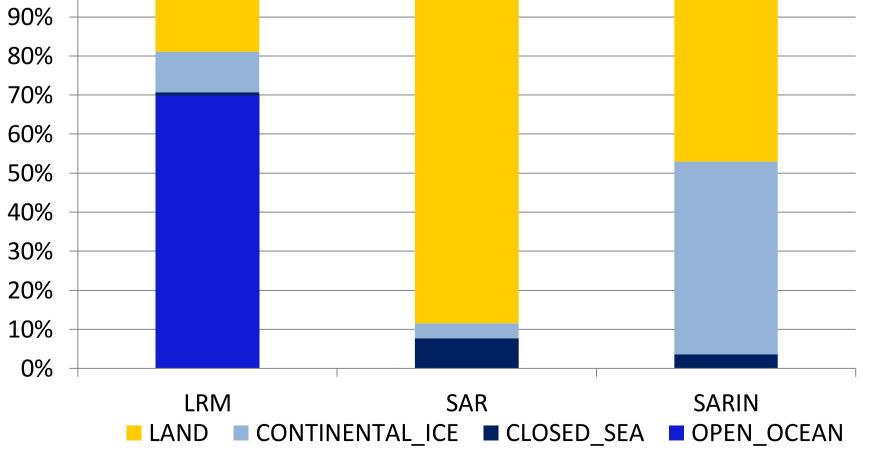




| LRM | 70.1 |
|-------|------|
| SAR | 18.0 |
| SARIn | 11.8 |







3. Instrument Configuration

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

| SIRAL instrument(s) in use: | SIRAL - A | |
|---|--------------------------------------|---|
| | 4 | 4. Level 1B Data Quality Check |
| 4.1 L1B Product Format Che | ck | |
| Each product, retrieved and unpacked from | n the science server, is checked | to ensure it consists of both an XML header file (.HDR) and a product file (.DBL). |
| Number of products with errors: | 0 | |
| 4.2 L1B Product Header Ana | lysis | |
| For all products, a series of pre-defined che | ecks are carried out on the MPH | and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. |
| Number of products with errors: | 0 | |
| 4.3 Star Tracker Usage Chec | k | |
| Each product is checked in order to ensure | e a valid star tracker file has beer | n used in processing. |
| Number of products with errors: | 0 | |
| 4.4 L1B Tracking Flags Chec | k | |
| CryoSat L1B data includes a tracking flag f | or each measurement record. Th | ne bit value of this flag indicates any problems when set. |
| Loss of Echo Flag: This flag is currently s | et for some products over land, l | but this is to be expected. |

Number of products with errors:

101

| Р | roduct | Test Failed | Description |
|---|--|--------------|--|
| C | S_OFFL_SIR_LRM_1B_20200308T002848_20200308T003022_D001 | Loss of echo | The tracking echo is missing for one or more records |
| C | S_OFFL_SIR_LRM_1B_20200308T003416_20200308T010922_D001 | Loss of echo | The tracking echo is missing for one or more records |

CS_OFFL_SIR_LRM_1B_20200308T011045_20200308T011127_D001 CS_OFFL_SIR_LRM_1B_20200308T012640_20200308T012957_D001 CS_OFFL_SIR_LRM_1B_20200308T013028_20200308T013102_D001 CS_OFFL_SIR_LRM_1B_20200308T013443_20200308T020101_D001 CS_OFFL_SIR_LRM_1B_20200308T020746_20200308T021111_D001 CS_OFFL_SIR_LRM_1B_20200308T030424_20200308T030915_D001 CS_OFFL_SIR_LRM_1B_20200308T031004_20200308T031205_D001 CS_OFFL_SIR_LRM_1B_20200308T031209_20200308T034036_D001 CS_OFFL_SIR_LRM_1B_20200308T034644_20200308T035017_D001 CS_OFFL_SIR_LRM_1B_20200308T035250_20200308T042758_D001 CS_OFFL_SIR_LRM_1B_20200308T044058_20200308T044253_D001 CS_OFFL_SIR_LRM_1B_20200308T044518_20200308T044910_D001 CS_OFFL_SIR_LRM_1B_20200308T044934_20200308T045006_D001 CS_OFFL_SIR_LRM_1B_20200308T045553_20200308T050030_D001 CS_OFFL_SIR_LRM_1B_20200308T050105_20200308T050551_D001 CS_OFFL_SIR_LRM_1B_20200308T050657_20200308T050920_D001 CS_OFFL_SIR_LRM_1B_20200308T050925_20200308T050955_D001 CS_OFFL_SIR_LRM_1B_20200308T062656_20200308T062711_D001 CS_OFFL_SIR_LRM_1B_20200308T062721_20200308T062843_D001 CS_OFFL_SIR_LRM_1B_20200308T062846_20200308T062853_D001 CS_OFFL_SIR_LRM_1B_20200308T062907_20200308T062922_D001 CS_OFFL_SIR_LRM_1B_20200308T063047_20200308T063556_D001 CS_OFFL_SIR_LRM_1B_20200308T070223_20200308T070606_D001 CS_OFFL_SIR_LRM_1B_20200308T071127_20200308T071808_D001 CS_OFFL_SIR_LRM_1B_20200308T071818_20200308T072529_D001 CS_OFFL_SIR_LRM_1B_20200308T074743_20200308T074759_D001

Loss of echo Loss of echo

The tracking echo is missing for one or more records The tracking echo is missing for one or more records

| CS_OFFL_SIR_LRM_1B_20200308T085858_20200308T090446_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T090621_20200308T090815_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T090819_20200308T090934_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T091415_20200308T092109_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092244_20200308T092323_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092445_20200308T092452_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092456_20200308T092458_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092502_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092555_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092519_20200308T092555_D001 Loss of echo | CS_OFFL_SIR_LRM_1B_20200308T074802_20200308T074804_D001 | Loss of echo | The tracking echo is missing for one or more records |
|--|---|--------------|--|
| CS_OFFL_SIR_LRM_1B_20200308T090621_20200308T090815_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T090819_20200308T092109_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092244_20200308T092323_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092445_20200308T092452_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092456_20200308T092452_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092456_20200308T092458_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092502_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092515_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092515_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092519_20200308T092525_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092519_20200308T09255_D001 Loss of echo The tracking echo is missing for one or more records | CS_OFFL_SIR_LRM_1B_20200308T074807_20200308T074934_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T090819_20200308T090934_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T091415_20200308T092303_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092244_20200308T092323_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092445_20200308T092452_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092456_20200308T092458_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092502_20200308T09255_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092502_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092515_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092515_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092515_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092515_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092515_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092515_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092515_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092519_20200308T092525_D001 Loss of echo | CS_OFFL_SIR_LRM_1B_20200308T085858_20200308T090446_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T09244_20200308T092323_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092445_20200308T092323_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092445_20200308T092452_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092456_20200308T092458_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092502_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T09255_D001 Loss of echo | CS_OFFL_SIR_LRM_1B_20200308T090621_20200308T090815_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T092244_20200308T092323_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200308T092445_20200308T092452_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200308T092456_20200308T092458_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200308T092502_20200308T092505_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092515_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092515_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092515_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092515_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200308T092519_20200308T092525_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200308T092519_20200308T092525_D001Loss of echoThe tracking echo is missing for one or more records | CS_OFFL_SIR_LRM_1B_20200308T090819_20200308T090934_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T092445_20200308T092452_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092502_20200308T092505_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092515_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing for one or more records to so of echo The tracking echo is missing foro | CS_OFFL_SIR_LRM_1B_20200308T091415_20200308T092109_D001 | Loss of echo | The tracking echo is missing for one or more records |
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| CS_OFFL_SIR_LRM_1B_20200308T092502_20200308T092505_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092515_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200308T092519_20200308T092525_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200308T092519_20200308T092525_D001Loss of echoThe tracking echo is missing for one or more records | CS_OFFL_SIR_LRM_1B_20200308T092445_20200308T092452_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092515_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200308T092519_20200308T092525_D001Loss of echoThe tracking echo is missing for one or more records | CS_OFFL_SIR_LRM_1B_20200308T092456_20200308T092458_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T092519_20200308T092525_D001 Loss of echo The tracking echo is missing for one or more records | CS_OFFL_SIR_LRM_1B_20200308T092502_20200308T092505_D001 | Loss of echo | The tracking echo is missing for one or more records |
| | CS_OFFL_SIR_LRM_1B_20200308T092508_20200308T092515_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T092528_20200308T092723_D001 Loss of echo The tracking echo is missing for one or more records | CS_OFFL_SIR_LRM_1B_20200308T092519_20200308T092525_D001 | Loss of echo | The tracking echo is missing for one or more records |
| | CS_OFFL_SIR_LRM_1B_20200308T092528_20200308T092723_D001 | Loss of echo | The tracking echo is missing for one or more records |

| CS_OFFL_SIR_LRM_1B_20200308T092726_20200308T092840_D001 |
|--|
| CS_OFFL_SIR_LRM_1B_20200308T092843_20200308T092852_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T094934_20200308T095818_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T100032_20200308T100331_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T100437_20200308T101613_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T103917_20200308T104602_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T104742_20200308T110150_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T110154_20200308T110313_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T110353_20200308T110845_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T110856_20200308T110930_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T112437_20200308T112749_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T113308_20200308T113756_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T115951_20200308T120829_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T124040_20200308T124047_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T124051_20200308T124102_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T124105_20200308T124109_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T124128_20200308T124204_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T124207_20200308T124644_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T130147_20200308T133648_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T135453_20200308T141905_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T142011_20200308T142509_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T144551_20200308T144624_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T152829_20200308T155104_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T155107_20200308T155120_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T155124_20200308T155600_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T155639_20200308T155746_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T155940_20200308T160051_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T160504_20200308T160545_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T171654_20200308T171744_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T171749_20200308T172424_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T172458_20200308T172754_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T173308_20200308T173445_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T173933_20200308T174001_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T190126_20200308T190744_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T190748_20200308T190834_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T190919_20200308T191401_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T193601_20200308T193708_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T193922_20200308T201212_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T211430_20200308T211512_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T211516_20200308T211518_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T211523_20200308T211528_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T211531_20200308T211547_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T211550_20200308T211605_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T211611_20200308T211635_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T211638_20200308T211707_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T212044_20200308T213338_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T213542_20200308T215130_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T220738_20200308T221753_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T221735_20200308T221735_D001 CS_OFFL_SIR_LRM_1B_20200308T221859_20200308T222129_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T221033_20200308T222123_D001 CS_OFFL_SIR_LRM_1B_20200308T222413_20200308T223531_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T225312_20200308T225641_D001 |
| CS_OFFL_SIR_LRM_1B_20200308T225644_20200308T225715_D001 |

| CS_OFFL_SIR_LRM_1B_20200308T092726_20200308T092840_D001 | Loss of echo | The tracking echo is missing for one or more records |
|--|--------------|--|
| CS_OFFL_SIR_LRM_1B_20200308T092843_20200308T092852_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T094934_20200308T095818_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T100032_20200308T100331_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T100437_20200308T101613_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T103917_20200308T104602_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T104742_20200308T110150_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T110154_20200308T110313_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T110353_20200308T110845_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T110856_20200308T110930_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T112437_20200308T112749_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T113308_20200308T113756_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T115951_20200308T120829_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T124040_20200308T124047_D001 | Loss of echo | The tracking echo is missing for one or more records |
| | | |
| CS_OFFL_SIR_LRM_1B_20200308T124051_20200308T124102_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T124105_20200308T124109_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T124128_20200308T124204_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T124207_20200308T124644_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T130147_20200308T133648_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T135453_20200308T141905_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T142011_20200308T142509_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T144551_20200308T144624_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T152829_20200308T155104_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T155107_20200308T155120_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T155124_20200308T155600_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T155639_20200308T155746_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T155940_20200308T160051_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T160504_20200308T160545_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T171654_20200308T171744_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T171749_20200308T172424_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T172458_20200308T172754_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T173308_20200308T173445_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T173933_20200308T174001_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T190126_20200308T190744_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T190748_20200308T190834_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T190919_20200308T191401_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T193601_20200308T193708_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T193922_20200308T201212_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T211430_20200308T211512_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T211516_20200308T211518_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T211523_20200308T211528_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T211531_20200308T211547_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T211550_20200308T211605_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T211611_20200308T211635_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T211638_20200308T211707_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T211036_20200308T211707_D001 CS_OFFL_SIR_LRM_1B_20200308T212044_20200308T213338_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_202003081212044_202003081213336_D001 CS_OFFL_SIR_LRM_1B_20200308T213542_20200308T215130_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_202003081213542_202003081215130_D001 CS_OFFL_SIR_LRM_1B_20200308T220738_20200308T221753_D001 | Loss of echo | The tracking echo is missing for one or more records |
| | | |
| CS_OFFL_SIR_LRM_1B_20200308T221859_20200308T222129_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T222413_20200308T223531_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T225312_20200308T225641_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T225644_20200308T225715_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T225718_20200308T225742_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T225745_20200308T225804_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T225807_20200308T225811_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T225814_20200308T225820_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T225824_20200308T225832_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T225836_20200308T225856_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T225902_20200308T225923_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200308T225926_20200308T230743_D001 | 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 h | nave been used in processing. | |
| Number of products with errors: 0 | | |
| 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 chec | k the validity of Auxiliary Data Files is correct. |
| Number of products with errors: 0 | | |
| 4.7 L1B Auxiliary Correction Error Check | | |
| CryoSat L1B data includes a correction error flag (field 54) for each measureme | ent record. The bit value of this flag inc | licates any problems when set. |
| Number of products with errors: 0 | | |
| 4.8 L1B Measurement Confidence Data Check | | |
| CryoSat L1B data includes a measurement confidence flag (field 18) for each m | neasurement record. The bit value of the | nis flag indicates any problems when set. |
| Currently, there are several common error flags raised in the Level 1B probelow, followed by a table of any additional issues arising from this test. | oducts which are expected due to o | perational mode or surface type. All common flags are summarised in the list |
| Block Degraded Flag: This flag is currently set for a number of individual recor | ds generally at the start or end of proc | ducts (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 ap | plication is deactivated, but this is in line with the current configuration. |
| Number of products with errors: 1 | | |
| Product | Test Failed | Description |
| CS_OFFL_SIR_LRM_1B_20200308T044934_20200308T045006_D001 | Echo error, TRK echo error | The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo |
| 5. | Level 2 Data Quality C | check |

5.1 L2 Product Format Check

| Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a product file (.DBL). |
|---|
| Number of products with errors: 0 |
| 5.2 L2 Product Header Analysis |
| For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. |
| Number of products with errors: 0 |
| 5.3 L2 Auxiliary Data File Usage Check |
| Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. |
| Number of products with errors: 0 |
| 5.4 L2 Auxiliary Correction Error Check |
| CryoSat L2 data includes a correction error flag (field 30) for each measurement record. The bit value of this flag indicates any problems when set. |
| Number of products with errors: 0 |
| 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. |
| this is to be expected. Peakiness error: This flag is currently 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 |

| Product | Test Failed | Description |
|---------|-------------|-------------|
| | | |

-

| CS_OFFL_SIR_LRM_220200308T000426_20200308T002123_D001 | 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_220200308T003416_20200308T010922_D001 | 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_220200308T013443_20200308T020101_D001 | 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_220200308T021329_20200308T024146_D001 | 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_220200308T024312_20200308T024620_D001 | 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_220200308T031209_20200308T034036_D001 | 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_220200308T035250_20200308T042758_D001 | 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 |

| Lagi Liny 2, 2000/00/13033 2000000000000000000000000000000000 | CS_OFFL_SIR_LRM_220200308T044058_20200308T044253_D001 | Height Error (Retracker 2), Backscatter | There is a height and backscatter error for Retracker 2 for one or more |
|--|---|---|--|
| CAL DHY, SAR LAN, 2. JECOMMINSCON, 2000000000000000000000000000000000000 | | | |
| CHARGENER 1, SUP LAD 2, MONTENE 120000 REPORTER 120000 Professional Sector Professional Control Profesional Contrel Profesina Control Professional Control Professional | | Height Error (Retracker 2), Height Error | There is a height and backscatter error for Retracker 2 , a height error for |
| Sign Tugs (2, W, 2, 202000) T16468, 2020000 T16695, 2001 Sign Tugs (2, W, 2, 202000) T16695, 2001 Sign Tug (2, W, 2, 202000) T16695, 2001 < | CS_OFFL_SIR_LRM_220200308T055803_20200308T060717_D001 | (Retracker 2), Surface Model Unavailable | or more records |
| Contruction Providence 7 providence 7 CS, OFT, SR, LAN 2, 2000/001/01/01, 3000/001/01/00, DOI Hord Stand S | CS_OFFL_SIR_LRM_220200308T063924_20200308T064410_D001 | | |
| How Series 2, Minore 2, M | CS_OFFL_SIR_LRM_220200308T064558_20200308T065905_D001 | | |
| Corm_Sit_Clink 2_2000030110542_2000 Every Remarker 2) remarks Cs_Orm_Sit_Clink 2_20000301105572 is 2000001105555_D001 Prest Remarks 2) remarks Cs_Orm_Sit_Clink 2_20000301005252_20200001105555_D001 Prest Remarks 2) These is height and cadacable error for Remarker 2) for one or more records Cs_Orm_Sit_Clink 2_20000301005252_20200001105555_D001 Prest Remarks 2) These is height and cadacable error for Remarker 2) for one or more records Cs_Orm_Sit_Clink 2_20000301005252_20200001005555_D001 Prest Remarker 2) These is a height and cadacable error for Remarker 2) for one or more records Cs_Orm_Sit_Clink 2_2000030100525_D001 Prest Remarker 2) These is a height and cadacable error for Remarker 2) for one or more records Cs_Orm_Sit_Clink 2_2000030100515_D001 Prest Remarker 2) Prest Remarker 2) Cs_Orm_Sit_Clink 2_200003010515_D001 Prest Remarker 2) Prest Remarker 2) Cs_Orm_Sit_Clink 2_200003010515_2020000100515_D001 Prest Remarker 2) Prest Remarker 2) Cs_Orm_Sit_Clink 2_2000030110615_2020000110615_D001 Prest Remarker 2) Prest Remarker 2) Cs_Orm_Sit_Clink 2_2000030110615_2020000110615_D001 Prest Remarker 2) Prest Remarker 2) Cs_Orm_Sit_Clink 2_2000030110615_2020000110615_2020000110615_2020000110615_2020000110615_20200000110615_20200000110615_20200000110615_20200000110615_2000000110615_2020000110615_202 | CS_OFFL_SIR_LRM_220200308T071127_20200308T071808_D001 | | |
| Cite CPTL Site, URL 2. Z00000011/3118 diz2000011105142 (2001) Find Remarker 2/ transfer Cite, CPTL Site, URL 2. Z0000001060024, 202000011053940, 2000001 Heigh End (Remarker 2), Heigh E | CS_OFFL_SIR_LRM_220200308T071818_20200308T072529_D001 | | |
| CS_OFFL_SR_LRM_2020000FT08028_00000FT0828_D001 (Reduced 2) (Reduced 2) (Reduced 2) CS_OFFL_SR_LRM_2020000FT080708_0000FT080708_D0001 Help: Enry (Matader 3) (Here a help) enry for datader 2 in ord a help: Enry (Reduced 2) CS_OFFL_SR_LRM_2020000FT080708_0000FT080500_D001 Help: Enry (Reduced 2) (Here a help) enry for datader 2 in ord a rung reduced 2 CS_OFFL_SR_LRM_2020000FT08051_00000FT08050_D001 Help: Enry (Reduced 2) (Here a help) enry for datader 2 in ord a rung reduced 2 CS_OFFL_SR_LRM_200000FT08051_00000FT08051_D001 Help: Enry (Reduced 2) (Here a help) enry for datader 2 in ord a rung reduced 2 CS_OFFL_SR_LRM_200000FT08051_00000FT08051_D001 Help: Enry (Reduced 2) (Here a help) enry for datader 2 in ord a rung reduced 2 CS_OFFL_SR_LRM_200000FT080510_0000FT080510_D001 Help: Enry (Reduced 2) (Here a help) enry for datader 2 in ord a rung reduced 2 CS_OFFL_SR_LRM_2000000FT080510_0000FT080510_D001 Help: Enry (Reduced 2) (Here a help) enry for datader 2 in ord a rung reduced 2 CS_OFFL_SR_LRM_2000000FT080510_0000FT080510_D001 Help: Enry (Reduced 2) (Here a help) enry for datader 2 in ord a rung reduced 2 CS_OFFL_SR_LRM_2000000FT080510_0000FT080510_D001 Help: Enry (Reduced 2) (Here a help) enry for datader 2 in ord a rung reduced 2 CS_OFFL_SR_LRM_2000000FT108420_D001 Help: Enry (Reduce 2) (He | CS_OFFL_SIR_LRM_220200308T072618_20200308T074426_D001 | | |
| Column Heads Heads <t< td=""><td>CS_OFFL_SIR_LRM_220200308T080238_20200308T083345_D001</td><td>(Retracker 3), Backscatter Error</td><td>There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records</td></t<> | CS_OFFL_SIR_LRM_220200308T080238_20200308T083345_D001 | (Retracker 3), Backscatter Error | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| Env (Parader 2) records Envir (Parader 2) records Envir (Parader 2) records Envir (Parader 2) records Envir (Parader 2) records There is a height and backstatter envir for Retracker 2 for one or more macutal CS_OFFL_SR_LEM_2_200000081109819_2020030817090341_D001 Height Envir (Parader 2), Backstatter Envir (Pa | CS_OFFL_SIR_LRM_220200308T083708_20200308T083729_D001 | Height Error (Retracker 3) | There is a height error for Retracker 3 for one or more records |
| CS_OFF_SIR_LEW_2_20200306T00007_20000306T00007 End (Remoder 2) recode CS_OFF_SIR_LEW_2_20200306T00007 Height Error (Remoder 2) height Error (Remoder 2) CS_OFF_SIR_LEW_2_20200306T00007061052108_D001 Height Error (Remoder 2) height Error (Remoder 2) CS_OFF_SIR_LEW_2_20200306T00007061052108_D001 Height Error (Remoder 2) height Error (Remoder 2) CS_OFF_SIR_LEW_2_20200306T00007061052108_D001 Height Error (Remoder 2) height Error (Remoder 2) CS_OFF_SIR_LEW_2_20200306T00007060000_0020000000000000000000000000 | CS_OFFL_SIR_LRM_220200308T085148_20200308T085820_D001 | | |
| CS_OFFL_SIR_LRM_2_20200305T091416_20200308T09209_D001 Emror (Remacker 2) There is a height and backscatter error for Retracker 2 and a height error (Remacker 2) CS_OFFL_SIR_LRM_2_20200305T091416_20200308T092010_D001 Height Error (Remacker 2) There is a height and backscatter error for Retracker 2 and a height error (Remacker 2) CS_OFFL_SIR_LRM_2_20200308T09439_20200308T092010_D1015_D001 Height Error (Remacker 2) There is a height and backscatter error for Retracker 2 and a height error (Remacker 2) CS_OFFL_SIR_LRM_2_20200308T100437_20200308T100509_20200308T105050_D001 Height Error (Remacker 2) There is a height and backscatter error for Retracker 2 and a height error (Remacker 2) CS_OFFL_SIR_LRM_2_20200308T10309_20200308T103050_20001 Height Error (Remacker 2) There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200308T10317_20200308T104002_D001 Height Error (Remacker 2) There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200308T110154_20200308T110150_D001 (Remacker 2) There is a height and backscatter error for Retracker 2 and a height error (Remacker 2) CS_OFFL_SIR_LRM_2_20200308T110154_20200308T110150_D001 (Remacker 2) There is a height and backscatter error for Retracker 2 and a height error (Remacker 2) CS_OFFL_SIR_LRM_2_20200308T110154_20200308T1110150_D001 (Remacker 2) No DEM or Slope Model was used for the location of one or more records </td <td>CS_OFFL_SIR_LRM_220200308T090621_20200308T090815_D001</td> <td></td> <td>•</td> | CS_OFFL_SIR_LRM_220200308T090621_20200308T090815_D001 | | • |
| CS_OFFL_SIR_LRM_2_20200308T091415_20200308T09415_20200308T095818_D001 Retracker 3), Backscatter Error There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200308T100457_20200308T10613_D001 Height Error (Retracker 2), Backscatter Error There is a height and backscatter error for Retracker 2 in one or more records CS_OFFL_SIR_LRM_2_20200308T100457_20200308T101613_D001 Height Error (Retracker 2), Backscatter Error There is a height and backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error | CS_OFFL_SIR_LRM_220200308T090819_20200308T090934_D001 | | |
| CS_OFFL_SIR_LRM_2_20200308119839_202003081198301_20001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_202003081109437_202003081101613_D001 Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error CS_OFFL_SIR_LRM_2_202003081109437_202003081103808_D001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_202003081103917_202003081104802_D001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_202003081104742_202003081110150_D001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 and a height error (Retracker 2) CS_OFFL_SIR_LRM_2_202003081110150_D001 Height Error (Retracker 2), Height Error (Retracker 3) There is a height and backscatter error for Retracker 2 and a height error (Retracker 2), Height Error (Retracker 3) CS_OFFL_SIR_LRM_2_202003081112218_202003081112314_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_202003081112437_20200308111249 D001 (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Error Retracker 2 and a height error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error for Retracker 2) or one or more records CS_OFFL_SIR_LRM_2_ | CS_OFFL_SIR_LRM_220200308T091415_20200308T092109_D001 | (Retracker 3), Backscatter Error | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_2_20200308T100437_202000308T103608_D001 (Retracker 3) Interine is a height and backsocatter Error CS_OFFL_SIR_LRM_2_20200308T103069_20200308T103808_D001 Height Error (Retracker 2) There is a height and backsocatter error for Retracker 2 for one or more ecords CS_OFFL_SIR_LRM_2_20200308T1030917_202000308T103909_D0010001 Height Error (Retracker 2), Backsocatter There is a height and backsocatter error for Retracker 2 for one or more ecords CS_OFFL_SIR_LRM_2_20200308T104742_20200308T10150_D001 Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backsocatter Error I/Retracker 3), Backsocatter Error I/Retracker 3, Backsocatter Error I/Retracker 3, Backsocatter Error I/Retracker 3, Backsocatter Error I/Retracker 3, Backsocatter Error I/Retracker 2, Backsocatter Error I/Retracker 2, Backsocatter Error I/Retracker 3, Backsocatter Error I/Retracker 3, Backsocatter Error I/Retracker 2, Backsocatter Error I/Retracker 3, Backsocatter Error I/Retracker 3, Backsocatter Error I/Retracker 3, Backsocatter Error I/Retracker 3, Backsocatter Error I/Retracker 2, Backsocatter Error I/ | CS_OFFL_SIR_LRM_220200308T094934_20200308T095818_D001 | | |
| CS_OFFL_SIR_LRM_2_20200308T10349_20200308T103462_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20200308T103472_20200308T104602_D001 Height Error (Retracker 2), Error (Retracker 3), Error (Retracker 2), Error (Retracker 3), Error (Retracker 2), Error (Retracker 3), Error (Retracker 2), Error (Retrack | CS_OFFL_SIR_LRM_220200308T100437_20200308T101613_D001 | (Retracker 3), Backscatter Error | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_2_20200308T1034T_20200308T110150_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20200308T110154_20200308T110150_D001 Height Error (Retracker 2), Height Error (Retracker 2) There is a height and backscatter error for Retracker 2. and a height error (Retracker 2) CS_OFFL_SIR_LRM_2_20200308T110154_20200308T110313_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200308T112218_20200308T112314_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200308T112314_D001 Kratacker 3), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200308T11308_20200308T113766_D001 Height Error (Retracker 2), Backscatter Error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200308T114064_20200308T116726_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatte | CS_OFFL_SIR_LRM_220200308T103059_20200308T103808_D001 | | |
| CS_OFFL_SIR_LRM_2_20200308T104742_20200308T110150_D001 (Reiracker 3), Backscatter Error (Retracker 2) Integris a height and backscatter error for Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20200308T110164_20200308T110313_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200308T112218_20200308T112314_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200308T112218_20200308T112314_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200308T112437_20200308T112749_D001 Height Error (Retracker 2), Height 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_20200308T112920_20200308T113766_D001 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_20200308T114054_20200308T115726_D001 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_20200308T112032_20200308T115726_D001 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_20200308T112032_20200308T1135432_D001 | CS_OFFL_SIR_LRM_220200308T103917_20200308T104602_D001 | | |
| CS_OFFL_SIR_LRM_2_20200308T112218_20200308T112314_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200308T112437_20200308T112749_D001 Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200308T112802_20200308T113146_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200308T113308_20200308T113756_D001 Height Error (Retracker 2), Backscatter Error records CS_OFFL_SIR_LRM_2_20200308T114054_20200308T113756_D001 Height Error (Retracker 2), Backscatter Error records CS_OFFL_SIR_LRM_2_20200308T114054_20200308T113756_D001 Height Error (Retracker 2), Backscatter Error records CS_OFFL_SIR_LRM_2_20200308T114054_20200308T115726_D001 Height Error (Retracker 2), Backscatter Error records CS_OFFL_SIR_LRM_2_20200308T114054_20200308T113756_D001 Height Error (Retracker 2), Backscatter Error records CS_OFFL_SIR_LRM_2_20200308T112032_20200308T113326_D001 Height Error (Retracker 2), Backscatter Error records CS_OFFL_SIR_LRM_2_20200308T113047_20200308T133648_D001 Height Error (Retracker 2), Backscatter Error records CS_OFFL_SIR_LRM_2_20200308T1345432_D001 Height Error (Retracker 2), Backscatter Error records CS_OFFL_SI | CS_OFFL_SIR_LRM_220200308T104742_20200308T110150_D001 | (Retracker 3), Backscatter Error | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_2_20200308T112437_20200308T112749_D001 Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error for Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20200308T112920_20200308T113146_D001 Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Erro | CS_OFFL_SIR_LRM_220200308T110154_20200308T110313_D001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_2_20200308T112437_20200308T112749_D001 (Retracker 3), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 and a height error (Retracker 2) CS_OFFL_SIR_LRM_2_20200308T112920_20200308T113146_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200308T113308_20200308T113756_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200308T114054_20200308T115726_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200308T112032_20200308T115726_D001 Height Error (Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200308T112032_20200308T1123326_D001 Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 and a height error for Retracker 2 and a height error (Retracker 2) CS_OFFL_SIR_LRM_2_20200308T130147_20200308T133648_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and a height error for Retracker 2 and no DEM or Stope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200308T134923_20200308T135432_D001 Height Error (Retracker 2), Backscatter error for Retracker 2 and no DEM or Stope Model was used for the location of one or more | CS_OFFL_SIR_LRM_220200308T112218_20200308T112314_D001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_2_20200308T113308_20200308T113756_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20200308T113308_20200308T113756_D001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200308T114054_20200308T115726_D001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200308T121032_20200308T123326_D001 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 and a height error for Retracker 2 and a height error (Retracker 2) CS_OFFL_SIR_LRM_2_20200308T130147_20200308T133648_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 and a height error for Retracker 2 and a height error (Retracker 2) CS_OFFL_SIR_LRM_2_20200308T130147_20200308T135432_D001 Height Error (Retracker 2), Backscatter error for Retracker 2 and no DEM or Stope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200308T134923_20200308T135432_D001 Height Error (Retracker 2), Backscatter error for Retracker 2 and no DEM or Stope Model was used for the location of one or more records Reight Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 and no DEM or Stope Model was used for the location of one or more records | CS_OFFL_SIR_LRM_220200308T112437_20200308T112749_D001 | (Retracker 3), Backscatter Error | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_2_20200308T113308_20200308T113756_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20200308T114054_20200308T115726_D001 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_20200308T121032_20200308T123326_D001 Height Error (Retracker 2), Height Error (Retracker 2), 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_20200308T130147_20200308T133648_D001 Height Error (Retracker 2), Backscatter 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_20200308T130147_20200308T133648_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200308T134923_20200308T135432_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Surface Model Unavailable There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records | CS_OFFL_SIR_LRM_220200308T112920_20200308T113146_D001 | | |
| CS_OFFL_SIR_LRM_2_20200308T114054_20200308T113726_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20200308T121032_20200308T123326_D001 Height Error (Retracker 2), 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 2 and a height error (Retracker 2) CS_OFFL_SIR_LRM_2_20200308T130147_20200308T133648_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200308T134923_20200308T135432_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Surface Model Unavailable There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records | CS_OFFL_SIR_LRM_220200308T113308_20200308T113756_D001 | | |
| CS_OFFL_SIR_LRM_2_20200308T121032_20200308T123326_D001 (Retracker 3), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 and a height error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200308T130147_20200308T133648_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200308T134923_20200308T135432_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records | CS_OFFL_SIR_LRM_220200308T114054_20200308T115726_D001 | | |
| CS_OFFL_SIR_LRM_2_20200308T130147_20200308T133648_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20200308T134923_20200308T135432_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface Model Unavailable There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records Height Error (Retracker 2), Backscatter Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records | CS_OFFL_SIR_LRM_220200308T121032_20200308T123326_D001 | (Retracker 3), Backscatter Error | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220200308T134923_20200308T135432_D001 Error (Retracker 2), Surface Model Unavailable Height Error (Retracker 2), Backscatter Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 and no DEM or | CS_OFFL_SIR_LRM_220200308T130147_20200308T133648_D001 | | |
| Height Error (Retracker 2), Backscatter There is a beight and backscatter error for Retracker 2 and no DEM or | | Error (Retracker 2), Surface Model | |
| Unavailable | CS_OFFL_SIR_LRM_220200308T135453_20200308T141905_D001 | Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface Model | |
| Height Error (Retracker 2) Height Error | CS_OFFL_SIR_LRM_220200308T144551_20200308T144624_D001 | Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |
| CS_OFFL_SIR_LRM_220200308T144745_20200308T151549_D001 Height Error (Retracker 2), Backscatter 2), Backscatter error for Retracker 2 for one or more Error (Retracker 2) | CS_OFFL_SIR_LRM_220200308T144745_20200308T151549_D001 | | |
| CS_OFFL_SIR_LRM_2_20200308T152829_20200308T155104_D001 Height Error (Retracker 2), Backscatter 2), Backscatter error for Retracker 2 for one or more Error (Retracker 2) | CS_OFFL_SIR_LRM_220200308T152829_20200308T155104_D001 | | |
| CS_OFFL_SIR_LRM_220200308T155124_20200308T155600_D001 Height Error (Retracker 2), Backscatter 2), Backscatter error for Retracker 2 for one or more Error (Retracker 2) | CS_OFFL_SIR_LRM_220200308T155124_20200308T155600_D001 | | |
| CS_OFFL_SIR_LRM_220200308T160504_20200308T160545_D001 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter 2), Height Error (Retracker 3), Backscatter Error (Retr | CS_OFFL_SIR_LRM_220200308T160504_20200308T160545_D001 | (Retracker 3), Backscatter Error | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |

| CS_OFFL_SIR_LRM_220200308T161937_20200308T165447_D001 | 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_220200308T181108_20200308T183407_D001 | 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_220200308T184605_20200308T185938_D001 | 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_220200308T190126_20200308T190744_D001 | 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_220200308T190919_20200308T191401_D001 | 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_220200308T193601_20200308T193708_D001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_220200308T193922_20200308T201212_D001 | 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_220200308T202559_20200308T202715_D001 | 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_220200308T203017_20200308T210029_D001 | 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_220200308T211611_20200308T211635_D001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_220200308T212044_20200308T213338_D001 | 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_220200308T213542_20200308T215130_D001 | 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_220200308T220738_20200308T221753_D001 | 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_220200308T222413_20200308T223531_D001 | 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_220200308T223725_20200308T223904_D001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_220200308T225926_20200308T230743_D001 | 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_220200308T231120_20200308T231403_D001 | 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_220200308T231542_20200308T233024_D001 | 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_220200308T234354_20200309T001745_D001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |