

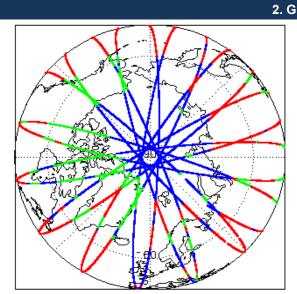
QA4EO Daily Report for OFFLINE data:

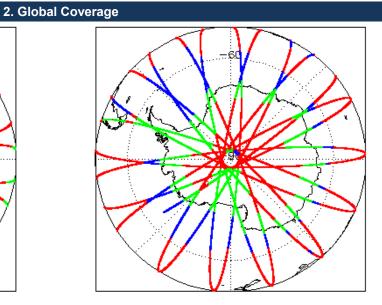
<u>31/12/2020</u>

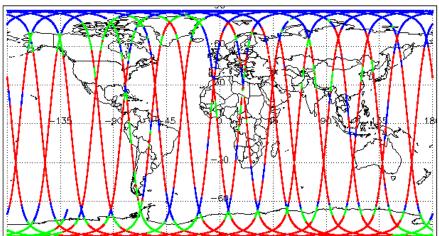
1. Overview

| Banart Braduction Data | 29-Jan-2021 | Check | Status | | |
|-------------------------|-------------------------|--|------------------------------|--|--|
| Report Production Date: | 29-Jan-2021 | Server check: science-pds.cryosat.esa.int | | | |
| Processor Used: | CryoSat Ice Processor | Server check: calval-pds.cryosat.esa.int | Nominal | | |
| Processor Used. | | Product Software Check | Nominal | | |
| Data Used: | L1B and L2 OFFLINE Data | Product Format Check | Nominal | | |
| Data Used. | LIB and L2 OFFLINE Data | 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-Dec-2020 | None |
| 31-Dec-2020 | None |
| 01-Jan-2021 | Nothing planned |
| | |

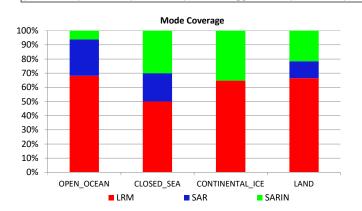


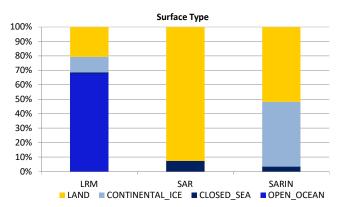




Mode Coverage (%)

| LRM | 67.4 |
|-------|------|
| SAR | 19.8 |
| SARIn | 12.7 |





3. Instrument Configuration

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

SIRAL - A

SIRAL instrument(s) in use:

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

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

4.3 Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing. 0

Number of products with errors:

4.4 L1B Tracking Flags Check

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

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

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Number of products with errors:

| Corr, Sir, LRU, 19, 20213100342, 20213100342, 2001 Loss of echo The tacking echo is missing for one or more econds CS, OFFL, SIR, LRU, 19, 20213100439, 202123100429, 2001 Loss of echo The tacking echo is missing for one or more econds CS, OFFL, SIR, LRU, 18, 202132100429, 202123100429, 20011 Loss of echo The tacking echo is missing for one or more econds CS, OFFL, SIR, LRU, 18, 202132100429, 202123100429, 20011 Loss of echo The tacking echo is missing for one or more econds CS, OFFL, SIR, LRU, 18, 202132100429, 202123100429, 20011 Loss of echo The tacking echo is missing for one or more econds CS, OFFL, SIR, LRU, 18, 202132100429, 202123100429, 20011 Loss of echo The tacking echo is missing for one or more econds CS, OFFL, SIR, LRU, 18, 202132100421, 202123102014, D001 Loss of echo The tracking echo is missing for one or more econds CS, OFFL, SIR, LRU, 18, 2021321002142, 202131022140, D001 Loss of echo The tacking echo is missing for one or more econds CS, OFFL, SIR, LRU, 18, 202131002142, 20213102249, D001 Loss of echo The tacking echo is missing for one or more econds CS, OFFL, SIR, LRU, 18, 20213100224, 20213102249, D001 Loss of echo The tacking echo is missing for one or more econds CS, OFFL, SIR, LRU, 18, 2020131002249, D20123102249, D001 Loss of echo The tacking | Product | Test Failed | Description |
|--|---|--------------|--|
| DS_OFTL_SR_LRA_18_20201231700450_20201231700450_0001 Loss of exho The tasking exho is making for one or more records CS_OFTL_SR_LRA_18_20201231700450_20201231700450_0001 Loss of exho The tasking exho is making for one or more records CS_OFTL_SR_LRA_18_20201231700450_20201231700450_0001 Loss of exho The tasking exho is making for one or more records CS_OFTL_SR_LRA_18_20201231700450_2000131700472_00013170047_2000121700472_00011 Loss of exho The tasking exho is making for one or more records CS_OFTL_SR_LRA_18_0200123170047_200013170041_2000121700141_0001 Loss of exho The tasking exho is making for one or more records CS_OFTL_SR_LRA_18_02001231700147_20001231700240_0001 Loss of exho The tasking exho is making for one or more records CS_OFTL_SR_LRA_18_02001231702247_20001231702240_001 Loss of exho The tasking exho is making for one or more records CS_OFTL_SR_LRA_18_02001231702247_20001231702240_001 Loss of exho The tasking exho is making for one or more records CS_OFTL_SR_LRA_18_02001231702247_20001231702240_001 Loss of exho The tasking exho is making for one or more records CS_OFTL_SR_LRA_18_02001231700340_2001231702240_001 Loss of exho The tasking exho is making for one or more records CS_OFTL_SR_LRA_18_02001231700340_200121700340_001 Loss of exho The tasking exho is making for one or more records | CS_OFFL_SIR_LRM_1B_20201231T001348_20201231T003432_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LBM_18_2021231T06425_2021231T06425_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LBM_18_20201231T06425_2021T06424_20001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LBM_18_20201231T06424_20201231T06424_20201231T06424_20201231T06424_20201231T06424_20201231T06424_20201231T06424_20201231T06424_20201231T02644_20201231T0210001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LBM_18_20201231T06442_20201231T0614_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LBM_18_20201231T06744_20201231T02144_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LBM_18_20201231T02742_20201231T02245_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LBM_18_20201231T02742_20201231T02245_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LBM_18_20201231T02545_20201231T02545_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LBM_18_20201231T05558_20201231T05559_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LBM_18_20201231T05559_20201231T05559_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LBM_18_20201231T05559_20201231T05559_20201231T05559_20201231T05559_20201231T05559_20201231T05559_20201231T05559_20201231T05559_20201231T05559_20201231T05559_20201231T | CS_OFFL_SIR_LRM_1B_20201231T003434_20201231T004127_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_18_2021231100421_202012311004224_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20201231100422_000123110047_2001231100142_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2020123110047_2001231100147_00011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20201231102047_2001231102141_00011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20201231102142_20012311022145_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20201231102244_20012311022345_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20012311022345_0001311022345_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20012311022345_0001311022345_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20012311022345_0001311022345_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20012311020352_2001231102345_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20012311020352_2001231102345_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20012311001245_2001231100245_0001 Loss of exho The tracking exho | CS_OFFL_SIR_LRM_1B_20201231T004130_20201231T004201_D001 | Loss of echo | The tracking echo is missing for one or more records |
| GS_OFF_SIR_LEM_18_202123170428_2021231704438_2021231704430_2021Loss of exhoThe tracking ocho is missing for one or more recordsGS_OFF_SIR_LEM_18_2020123170243_2021231702210102_2001Loss of exhoThe tracking ocho is missing for one or more recordsGS_OFF_SIR_LEM_18_20201231702443_2021231702141_201017_D001Loss of exhoThe tracking ocho is missing for one or more recordsGS_OFF_SIR_LEM_18_20201231702141_20201231702141_20201231702141_200101Loss of exhoThe tracking ocho is missing for one or more recordsGS_OFF_SIR_LEM_18_20201231702244_20201231702245_D001Loss of exhoThe tracking ocho is missing for one or more recordsGS_OFF_SIR_LEM_18_20201231702247_20201231702245_D001Loss of exhoThe tracking ocho is missing for one or more recordsGS_OFF_SIR_LEM_18_20201231702247_20201231702245_D001Loss of exhoThe tracking ocho is missing for one or more recordsGS_OFF_SIR_LEM_18_20201231702247_20201231702245_D001Loss of exhoThe tracking ocho is missing for one or more recordsGS_OFF_SIR_LEM_18_202012317023230_20201231702345_D001Loss of exhoThe tracking ocho is missing for one or more recordsGS_OFF_SIR_LEM_18_202012317023230_20201231706006_D001Loss of exhoThe tracking ocho is missing for one or more recordsGS_OFF_SIR_LEM_18_20201231706008_2020121706006_D001Loss of exhoThe tracking ocho is missing for one or more recordsGS_OFF_SIR_LEM_18_20201231706008_20201231706006_D001Loss of exhoThe tracking ocho is missing for one or more recordsGS_OFF_SIR_LEM_18_20201231706010_2020123706001_D001Loss of exhoThe tracking ocho is missing for one or more recordsGS_OFF_SIR_LEM_18_2 | CS_OFFL_SIR_LRM_1B_20201231T004205_20201231T004209_D001 | Loss of echo | The tracking echo is missing for one or more records |
| GS_OFFL_SR_LRM_18_20201231T02443_20201231T024510_0001 Less of exhe The tracking exho is missing for one or more records GS_OFFL_SR_LRM_18_20201231T02417_20201231T021017_0001 Less of exhe The tracking exho is missing for one or more records GS_OFFL_SR_LRM_18_20201231T021010_12201231T021614_D001 Less of exhe The tracking exho is missing for one or more records GS_OFFL_SR_LRM_18_20201231T02148_20201231T02148_20001 Less of exhe The tracking exho is missing for one or more records GS_OFFL_SR_LRM_18_20201231T022145_202012231T02243_D001 Less of exhe The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20201231T02245_20201231T02243_D001 Less of exhe The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20201231T02245_20201231T02243_D001 Less of exhe The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20201231T02245_20201231T02453_D001 Less of exhe The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20201231T02023_20201231T00000_D001 Less of exhe The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20201231T020000_20201231T060005_D001 Less of exhe The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20201231T060005_D001231T060005_D001 Less of exhe The tracking exho is missing for one or more records | CS_OFFL_SIR_LRM_1B_20201231T004212_20201231T004224_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SR_LEM_16_20201231T02412102131T02131T02107_0011 Loss of exho The tracking exh is missing for one or more records CS_OFFL_SR_LEM_16_20201231T02411_20201231T0211541_0001 Loss of exho The tracking exh is missing for one or more records CS_OFFL_SR_LEM_16_20201231T0211742_20201231T0211612_01001 Loss of exho The tracking exh is missing for one or more records CS_OFFL_SR_LEM_16_20201231T022145_20201231T022346_D001 Loss of exho The tracking exh is missing for one or more records CS_OFFL_SR_LEM_16_20201231T02231T022145_20201231T022346_D001 Loss of exho The tracking exh is missing for one or more records CS_OFFL_SR_LEM_16_20201231T022315_20201231T022346_D001 Loss of exho The tracking exh is missing for one or more records CS_OFFL_SR_LEM_16_20201231T022315_20201231T023100_D010 Loss of exho The tracking exh is missing for one or more records CS_OFFL_SR_LEM_18_20201231T023032_20201231T02442_D001 Loss of exho The tracking exh is missing for one or more records CS_OFFL_SR_LEM_18_20201231T02031_20201231T02442_D001 Loss of exho The tracking exh is missing for one or more records CS_OFFL_SR_LEM_18_20201231T02003_D0201231T020100_D001 Loss of exho The tracking exh is missing for one or more records CS_OFFL_SR_LEM_18_20201231T0201231T02010_D000_D001 Loss of exho The tracking exh is missing for one or more records | CS_OFFL_SIR_LRM_1B_20201231T004226_20201231T004236_D001 | Loss of echo | The tracking echo is missing for one or more records |
| GS_OFFL_SIR_LRM_18_20201231102007_202012311021017_D001 Loss of exbo The tracking exbo insisting for one or more records GS_OFFL_SIR_LRM_18_20201231102104_20201231102161_D001 Loss of exbo The tracking exbo insisting for one or more records GS_OFFL_SIR_LRM_18_20201231102164_20201231102235_D001 Loss of exbo The tracking exbo insisting for one or more records GS_OFFL_SIR_LRM_18_20201231102237_20201231102235_D001 Loss of exbo The tracking exbo in missing for one or more records GS_OFFL_SIR_LRM_18_20201231102237_20201231102234_D001 Loss of exbo The tracking exbo in missing for one or more records GS_OFFL_SIR_LRM_18_20201231102237_20201231102234_D001 Loss of exbo The tracking exbo in missing for one or more records GS_OFFL_SIR_LRM_18_20201231102035_20201231100005_D001 Loss of exbo The tracking exbo in missing for one or more records GS_OFFL_SIR_LRM_18_20201231100005_D001 Loss of exbo The tracking exbo in missing for one or more records CS_OFFL_SIR_LRM_18_20201231100005_D0011 Loss of exbo The tracking exbo in missing for one or more records CS_OFFL_SIR_LRM_18_20201231100005_D0011 Loss of exbo The tracking exbo in missing for one or more records CS_OFFL_SIR_LRM_18_20201231100005_D0011 Loss of exbo The tracking exbo in missing for one or more records CS_OFFL_SIR_LRM_18_20201231100015_D0011 | CS_OFFL_SIR_LRM_1B_20201231T004243_20201231T004510_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_18_20201231T021041_20201231T021041_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T021042_20201231T022045_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T022145_20201231T022045_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T022045_D001122742_20201231T022045_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T022045_D0011231T02245_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T022045_D001231T02045_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T02005_D001231T04004_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T06005_D001231T06005_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T06005_D001231T06005_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T06005_D001231T06005_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T06016_20201231T06005_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T0701023_D001231T07011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T070123_D001231T070457_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1 | CS_OFFL_SIR_LRM_1B_20201231T004921_20201231T005125_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFF_SR_IRM_18_20201231702174_20201231702205_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_IRM_18_20201231702214_202012317022345_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_IRM_18_202012317022345_00201231702245_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_IRM_18_202012317022345_00201231702245_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_IRM_18_20201231702372_0001231702345_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_IRM_18_20201231703552_000131703552_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_IRM_18_20201231706005_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_IRM_18_20201231706005_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_IRM_18_20201231706005_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_IRM_18_20201231706005_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_IRM_18_20201231706019_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_IRM_18_2020123170619001 Loss of echo The trackin | CS_OFFL_SIR_LRM_1B_20201231T020047_20201231T021017_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFF_SIR_LRM_18_202012317022148_20201231702235_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_202012317022345_20201231702245_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_202012317022345_20201231702245_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_202012317022345_20201231702345_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_202012317035623_20201231704204_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20201231706805_20201231706005_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20201231706805_20201231706005_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20201231706006_20201231706005_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20201231706006_20201231706005_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20201231706016_20201231706015_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20201231706192_2021231706015_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20201231706192_2021231706191_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20201231707245_20201231707010_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20201231707245_20201231707045_D00 | CS_OFFL_SIR_LRM_1B_20201231T021041_20201231T021541_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T022345_0201231T022345_0201231T022345_0201231T022345_0201231T022345_0201231T022345_0201231T022345_0201231T022345_0201231T0235857_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T022322_0201231T0235857_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T03558_0201231T035857_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T03558_0201231T04006_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020123T056855_D0201231T06008_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020123T06008_0201231T060016_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020123T06008_020123T06008_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020123T060016_202123T06003B_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020123T06016_202123T06003B_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020123T06184_2020123T06013D_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020123T07081228_2020123T070612Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020123T07048228_2020123T070412Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020123T0704822Loss of echoThe tracking echo is missing for o | CS_OFFL_SIR_LRM_1B_20201231T021724_20201231T021814_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_18_20201231T02245_20201231T02245_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T02273_20201231T04205_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T035352_20201231T04010E_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T035352_20201231T040042_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T035352_20201231T060005_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T000005_20201231T060005_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T000005_20201231T060005_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T000016_20201231T060015_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2020123T000192_20201231T060015_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2020123T00502_2021231T06015_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2020123T005032_2021231T06015_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2020123T0705032_2021231T07012_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2020123T07073742_2021231T07042_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2020123T070 | CS_OFFL_SIR_LRM_1B_20201231T022148_20201231T022305_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T022732_0201231T03585_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T035852_0201231T03585_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T058585_0201231T042042_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T058585_0201231T060005_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T060005_0201231T060005_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T060005_0201231T060005_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T060005_0201231T060005_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T061804_20201231T06016_0201231T06016_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T061804_20201231T062106_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T061912_20201231T070102_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07102_20201231T07107_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07102_20201231T07107_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07102_20201231T07420_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1 | CS_OFFL_SIR_LRM_1B_20201231T022317_20201231T022345_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_18_20201231T035359_20201231T035857_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T035023_20201231T040106_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T050856_20201231T060005_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T060005_20201231T060005_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T060005_20201231T060005_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T060005_20201231T060051_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T060194_20201231T060191_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T061804_20201231T061917_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T061804_20201231T061910_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T071027_20201231T071017_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T071027_20201231T07204_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T071423_20201231T07405_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T07423_20201231T074245_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18 | CS_OFFL_SIR_LRM_1B_20201231T022345_20201231T022431_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_18_20201231T04203_20201231T042042_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T04203_20201231T042042_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T060006_20201231T060005_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T060006_20201231T060016_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T060006_20201231T060016_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T061919_20201231T061917_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T061919_20201231T061917_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T061919_20201231T07619_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T07619_20201231T07107_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T071027_20201231T07107_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T074203_2001231T074205_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T074203_2001231T074205_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T074313_20201231T074315_20201231T074315_20201231T074315_20201231T074315_20201231T074335_D001Loss of echoThe tracking echo is missing | CS_OFFL_SIR_LRM_1B_20201231T022732_20201231T022744_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T042031_20201231T042042_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T060008_20201231T060008_20201231T060009_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T060016_20201231T060005_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T060016_20201231T060005_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T060109_20201231T060105_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T06109_20201231T060105_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T06102_20201231T061016_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T06102_20201231T07619_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T070633_D0201231T071017_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T071027_2021231T071072_204_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T071423_20201231T074057_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074423_20201231T074425_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074432_20201231T074435_D001Loss of echoThe tracking echo is missing for one or more records | CS_OFFL_SIR_LRM_1B_20201231T035359_20201231T035857_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T056866_20201231T060005_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T0600016_20201231T0600036_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T0600016_20201231T0600036_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T0600016_20201231T0600036_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T061019_20201231T0601917_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T06109_20201231T062016_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T06109_20201231T070619_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T070619_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T070619_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07107_20201231T071017_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T0740748_20201231T074057_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07432_20201231T07435_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07433_20201231T07435_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07433_20201231T074 | CS_OFFL_SIR_LRM_1B_20201231T035923_20201231T040106_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T060008_20201231T060036_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T060038_20201231T060036_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T060039_20201231T060051_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T061919_20201231T061917_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T061919_20201231T06530Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T06330_0201231T070619_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T070833_0201231T0701017_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07107_20201231T071017_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074231D704032_0201231T074057_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07442_0201231T074427_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074213_0201231T07425_0201120170424_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074325_0201231T074325_0201231T074335_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074335_0201231T074335_0001Loss of echoThe tracking echo is missing for one or more records <tr< td=""><td>CS_OFFL_SIR_LRM_1B_20201231T042031_20201231T042042_D001</td><td>Loss of echo</td><td>The tracking echo is missing for one or more records</td></tr<> | CS_OFFL_SIR_LRM_1B_20201231T042031_20201231T042042_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T060036_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T060039_20201231T060051_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T061919_20201231T061917_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T062016_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T062126_20201231T063531_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T070633_20201231T070619_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07023_20201231T071017_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T071027_20201231T07405_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074102_20201231T074102_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074213_20201231T074210_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074213_20201231T074213_20201231T074425_20201231T074425_20201231T074425_20201231T074425_20201231T074435_20201231T074435_20201231T074435_2020123T074435_2020123T074433_2001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074328_2020123T074333_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074342_20201231T074332_D001 <td< td=""><td>CS_OFFL_SIR_LRM_1B_20201231T055856_20201231T060005_D001</td><td>Loss of echo</td><td>The tracking echo is missing for one or more records</td></td<> | CS_OFFL_SIR_LRM_1B_20201231T055856_20201231T060005_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_18_20201231T060039_20201231T060051_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T061804_20201231T061919_20201231T062016_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T062126_20201231T063531_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T062126_20201231T07619_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T070833_20201231T071017_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T071027_20201231T07204_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T074102_20201231T074057_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T074213_20201231T07421_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T074213_20201231T07421_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T07423_20201231T074325_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T074325_20201231T074335_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T074335_20201231T074335_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20201231T074343_20201231T074335_D0011Loss of echoThe tracking echo is missing for one or more records <t< td=""><td>CS_OFFL_SIR_LRM_1B_20201231T060008_20201231T060014_D001</td><td>Loss of echo</td><td>The tracking echo is missing for one or more records</td></t<> | CS_OFFL_SIR_LRM_1B_20201231T060008_20201231T060014_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T061804_20201231T061917_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T061919_20201231T06216_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T062126_20201231T070619_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T070833_20201231T070619_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T070833_20201231T071017_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T071027_20201231T072204_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074342_20201231T074057_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074102_20201231T074210_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074213_20201231T074247_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074311_20201231T07433_2D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07433_20201231T07433_2D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074343_20201231T07433_2D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074343_20201231T074535_0D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_ | CS_OFFL_SIR_LRM_1B_20201231T060016_20201231T060036_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T061919_20201231T062016_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T062126_20201231T070635_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T070633_20201231T071017_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T071027_20201231T071027_0201231T071027_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T071027_0201231T07405_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074102_20201231T07421_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074213_20201231T07421_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074213_20201231T07421_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07423_20201231T07432_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07433_20201231T07433_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07433_20201231T07433_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07433_20201231T07453_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07433_20201231T074556_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LR | CS_OFFL_SIR_LRM_1B_20201231T060039_20201231T060051_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T062126_20201231T076619_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T076330_20201231T070619_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T070833_20201231T071017_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T070874_20201231T072204_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T0748_20201231T074057_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07410_20201231T074210_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07410_20201231T074247_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074213_20201231T074247_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07431_20201231T07435_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07431_20201231T07433_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07433_20201231T07433_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07433_20201231T07433_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07434_20201231T07433_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T0 | CS_OFFL_SIR_LRM_1B_20201231T061804_20201231T061917_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T07633_20201231T071017_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T071027_20201231T071027_20201231T074057_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T071027_20201231T074057_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07405_20201231T074057_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074102_20201231T07421_0_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074213_20201231T07421_0_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074213_20201231T07421_0_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074213_20201231T07425_2001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074311_20201231T074325_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074328_20201231T074335_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07433_20201231T07433_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074343_20201231T074350_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074343_20201231T07563_D001Loss of echoThe tracking echo is missing for one or more recordsCS | CS_OFFL_SIR_LRM_1B_20201231T061919_20201231T062016_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T070833_20201231T071017_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T071027_20201231T072204_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T073748_20201231T074057_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074102_20201231T074210_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074213_20201231T074210_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074213_20201231T074217_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074253_20201231T074305_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07431_20201231T074335_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07433_20201231T074333_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T07433_20201231T074339_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074801_20201231T074501_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074801_20201231T075536_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074801_20201231T075636_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B | CS_OFFL_SIR_LRM_1B_20201231T062126_20201231T063531_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T071027_20201231T072204_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T073748_20201231T074057_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074102_20201231T074210_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074213_20201231T074247_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074253_20201231T074255_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074311_20201231T074325_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074328_20201231T074335_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074335_20201231T074339_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074343_20201231T074501_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074343_20201231T074501_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075638_20201231T075636_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075638_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075650_D001231T075650_20201231T075650_D001Loss of echoThe tracking echo is missing for one or more records </td <td>CS_OFFL_SIR_LRM_1B_20201231T065300_20201231T070619_D001</td> <td>Loss of echo</td> <td>The tracking echo is missing for one or more records</td> | CS_OFFL_SIR_LRM_1B_20201231T065300_20201231T070619_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T073748_20201231T074057_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074102_20201231T074210_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074213_20201231T074217_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074253_20201231T074255_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074311_20201231T074325_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074328_20201231T074335_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074338_20201231T074339_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074343_20201231T074343_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074343_20201231T074343_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074343_20201231T075536_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075639_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM | CS_OFFL_SIR_LRM_1B_20201231T070833_20201231T071017_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T074102_20201231T074210_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074213_20201231T074247_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074253_20201231T074305_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074311_20201231T074325_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074328_20201231T074335_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074328_20201231T074339_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074335_20201231T074339_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074343_20201231T074501_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074301_20201231T075636_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075639_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075639_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM | CS_OFFL_SIR_LRM_1B_20201231T071027_20201231T072204_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T074213_20201231T074247_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074253_20201231T074305_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074311_20201231T074325_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074328_20201231T074333_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074335_20201231T074339_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074343_20201231T07439_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074343_20201231T074501_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074801_20201231T075636_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075639_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075639_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_ | CS_OFFL_SIR_LRM_1B_20201231T073748_20201231T074057_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T074253_20201231T074305_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074311_20201231T074325_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074328_20201231T074333_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074335_20201231T074339_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074343_20201231T074501_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074801_20201231T075636_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075538_20201231T075636_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075639_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075659_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075659_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075659_20201231T075655_2D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075655_2D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_L | CS_OFFL_SIR_LRM_1B_20201231T074102_20201231T074210_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T074311_20201231T074325_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074328_20201231T074333_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074335_20201231T074339_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074335_20201231T074339_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074343_20201231T074501_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074801_20201231T075536_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075639_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075659_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075659_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075659_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075659_20201231T075655_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075655_D001Loss of echoThe tracking echo is missing for one or more records | CS_OFFL_SIR_LRM_1B_20201231T074213_20201231T074247_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T074328_20201231T074333_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074335_20201231T074339_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074343_20201231T074501_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074801_20201231T075536_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075638_20201231T075636_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075639_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075639_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more records | CS_OFFL_SIR_LRM_1B_20201231T074253_20201231T074305_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T074335_20201231T074339_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074343_20201231T074501_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074801_20201231T075536_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075538_20201231T075636_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075639_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075659_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075659_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more records | CS_OFFL_SIR_LRM_1B_20201231T074311_20201231T074325_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T074343_20201231T074501_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T074801_20201231T075536_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075538_20201231T075636_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075639_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more records | CS_OFFL_SIR_LRM_1B_20201231T074328_20201231T074333_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T074801_20201231T075536_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075538_20201231T075636_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075639_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more records | CS_OFFL_SIR_LRM_1B_20201231T074335_20201231T074339_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T075538_20201231T075636_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075639_20201231T075648_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075655_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075825_D001Loss of echoThe tracking echo is missing for one or more records | CS_OFFL_SIR_LRM_1B_20201231T074343_20201231T074501_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T075639_20201231T075648_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075825_D001 Loss of echo The tracking echo is missing for one or more records | CS_OFFL_SIR_LRM_1B_20201231T074801_20201231T075536_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075825_D001 Loss of echo The tracking echo is missing for one or more records | CS_OFFL_SIR_LRM_1B_20201231T075538_20201231T075636_D001 | Loss of echo | The tracking echo is missing for one or more records |
| | CS_OFFL_SIR_LRM_1B_20201231T075639_20201231T075648_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T083323_20201231T083407_D001 Loss of echo The tracking echo is missing for one or more records | CS_OFFL_SIR_LRM_1B_20201231T075650_20201231T075825_D001 | Loss of echo | The tracking echo is missing for one or more records |
| | CS_OFFL_SIR_LRM_1B_20201231T083323_20201231T083407_D001 | Loss of echo | The tracking echo is missing for one or more records |

CS OFFL SIR LRM 1B 20201231T083640 20201231T084250 D001 CS OFFL SIR LRM 1B 20201231T084723 20201231T084725 D001 CS OFFL SIR LRM 1B 20201231T084728 20201231T084737 D001 CS_OFFL_SIR_LRM_1B_20201231T084739_20201231T084740_D001 CS OFFL SIR LRM 1B 20201231T084744 20201231T084747 D001 CS_OFFL_SIR_LRM_1B_20201231T084749_20201231T085212_D001 CS OFFL SIR LRM 1B 20201231T085456 20201231T090045 D001 CS OFFL SIR LRM 1B 20201231T091611 20201231T091803 D001 CS OFFL SIR LRM 1B 20201231T091805 20201231T091811 D001 CS OFFL SIR LRM 1B 20201231T091814 20201231T092028 D001 CS OFFL SIR LRM 1B 20201231T092031 20201231T092121 D001 CS_OFFL_SIR_LRM_1B_20201231T092126_20201231T092139_D001 CS_OFFL_SIR_LRM_1B_20201231T092142_20201231T092242_D001 CS_OFFL_SIR_LRM_1B_20201231T092248_20201231T092314_D001 CS OFFL SIR LRM 1B 20201231T092316 20201231T092327 D001 CS_OFFL_SIR_LRM_1B_20201231T092332_20201231T092346_D001 CS_OFFL_SIR_LRM_1B_20201231T092351_20201231T092353_D001 CS_OFFL_SIR_LRM_1B_20201231T092355_20201231T092402_D001 CS_OFFL_SIR_LRM_1B_20201231T092404_20201231T092520_D001 CS_OFFL_SIR_LRM_1B_20201231T092920_20201231T092929_D001 CS_OFFL_SIR_LRM_1B_20201231T092931_20201231T093020_D001 CS_OFFL_SIR_LRM_1B_20201231T095719_20201231T100111_D001 CS OFFL SIR LRM 1B 20201231T100132 20201231T100405 D001 CS_OFFL_SIR_LRM_1B_20201231T100748_20201231T103116_D001 CS OFFL SIR LRM 1B 20201231T103119 20201231T103603 D001 CS_OFFL_SIR_LRM_1B_20201231T103810_20201231T104207_D001 CS_OFFL_SIR_LRM_1B_20201231T105916_20201231T110358_D001 CS OFFL SIR LRM 1B 20201231T114032 20201231T114358 D001 CS OFFL SIR LRM 1B 20201231T123708 20201231T124042 D001 CS OFFL SIR LRM 1B 20201231T124115 20201231T124311 D001 CS OFFL SIR LRM 1B 20201231T124317 20201231T124323 D001 CS_OFFL_SIR_LRM_1B_20201231T124326_20201231T130340_D001 CS OFFL SIR LRM 1B 20201231T131506 20201231T132304 D001 CS_OFFL_SIR_LRM_1B_20201231T141510_20201231T141553_D001 CS OFFL SIR LRM 1B 20201231T141915 20201231T142156 D001 CS_OFFL_SIR_LRM_1B_20201231T142207_20201231T142306_D001 CS OFFL SIR LRM 1B 20201231T142839 20201231T142842 D001 CS_OFFL_SIR_LRM_1B_20201231T142844_20201231T143021_D001 CS_OFEL_SIR_LRM_1B_20201231T143206_20201231T143319_D001 CS OFFL SIR LRM 1B 20201231T143322 20201231T143446 D001 CS OFFL SIR LRM 1B 20201231T143532 20201231T143855 D001 CS OFFL SIR LRM 1B 20201231T154206 20201231T154215 D001 CS_OFFL_SIR_LRM_1B_20201231T160143_20201231T160324_D001 CS_OFFL_SIR_LRM_1B_20201231T160354_20201231T160438_D001 CS OFFL SIR LRM 1B 20201231T160440 20201231T160442 D001 CS_OFFL_SIR_LRM_1B_20201231T160444_20201231T160855_D001 CS_OFFL_SIR_LRM_1B_20201231T161058_20201231T161702_D001 CS_OFFL_SIR_LRM_1B_20201231T164551_20201231T171532_D001 CS OFFL SIR LRM 1B 20201231T172031 20201231T172035 D001 CS_OFFL_SIR_LRM_1B_20201231T172038_20201231T172215_D001 CS_OFFL_SIR_LRM_1B_20201231T172217_20201231T172222_D001 CS_OFFL_SIR_LRM_1B_20201231T181609_20201231T181804_D001 CS OFFL SIR LRM 1B 20201231T182918 20201231T185330 D001 CS_OFFL_SIR_LRM_1B_20201231T185558_20201231T185749 D001 CS OFFL SIR LRM 1B 20201231T185751 20201231T185755 D001 CS_OFFL_SIR_LRM_1B_20201231T185757_20201231T185800_D001 CS OFFL SIR LRM 1B 20201231T185805 20201231T190210 D001 CS_OFFL_SIR_LRM_1B_20201231T191510_20201231T193112_D001 CS_OFFL_SIR_LRM_1B_20201231T193357_20201231T193624_D001 CS OFFL SIR LRM 1B 20201231T193642 20201231T193706 D001 CS OFFL SIR LRM 1B 20201231T193708 20201231T193716 D001 CS_OFFL_SIR_LRM_1B_20201231T193718_20201231T193729_D001 CS OFFL SIR LRM 1B 20201231T193732 20201231T194257 D001 CS_OFFL_SIR_LRM_1B_20201231T195446_20201231T195724_D001

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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_20201231T202744_20201231T203451_D001 | Loss of echo | The tracking echo is missing for one or more records |
|---|--------------|--|
| CS_OFFL_SIR_LRM_1B_20201231T203454_20201231T203513_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T203517_20201231T203543_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T203545_20201231T203553_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T203559_20201231T203953_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T203955_20201231T204208_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T205816_20201231T210318_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T210602_20201231T212941_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T213236_20201231T214121_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T214344_20201231T220825_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T221101_20201231T221155_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T221321_20201231T221727_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T223437_20201231T230811_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T232302_20201231T234812_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T234815_20201231T235000_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T235004_20201231T235013_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T235015_20201231T235232_D001 | Loss of echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20201231T235242_20201231T235807_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 have 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 check 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 measurement record. The bit value of this flag indicates 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 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 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:

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.

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Number of products with errors:

| Product | Test Failed | Description |
|--|--|---|
| CS_OFFL_SIR_LRM_220201231T001348_20201231T003432_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_20201231T004921_20201231T005125_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_220201231T010447_20201231T013730_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_220201231T022831_20201231T022837_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_220201231T022850_20201231T023154_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_220201231T024403_20201231T025252_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 |
| CS_OFFL_SIR_LRM_220201231T025528_20201231T031726_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_20201231T033339_20201231T035032_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_220201231T042224_20201231T045557_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_2_20201231T051443_20201231T054617_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_220201231T060244_20201231T061323_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_20201231T061804_20201231T061917_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_220201231T061919_20201231T062016_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_20201231T062126_20201231T063531_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_220201231T065300_20201231T070619_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 |
| CS_OFFL_SIR_LRM_2_20201231T070833_20201231T071017_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_20201231T071027_20201231T072204_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_2_20201231T074801_20201231T075536_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 |
| CS_OFFL_SIR_LRM_220201231T075650_20201231T075825_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_20201231T080005_20201231T081413_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_220201231T083640_20201231T084250_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_220201231T084749_20201231T085212_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_220201231T085456_20201231T090045_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_220201231T093201_20201231T095305_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_220201231T100748_20201231T103116_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_220201231T110808_20201231T113248_D001 | Height Error (Retracker 2), Backscatter Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records |

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| DSI OF LER CARL Address 2 (and a constant of the second of the secon | CS_OFFL_SIR_LRM_220201231T124326_20201231T130340_D001 | | |
| 65,07FL_SR_LINU_2_REDUCTS1T15756_0001231T14005_0001 Perigr (Rescale 2) status invokal These is length and backscale error for Retroder 2 for own more invokation of the | CS_OFFL_SIR_LRM_220201231T130657_20201231T131141_D001 | | |
| CSUDPT_DRV_UNU | CS_OFFL_SIR_LRM_220201231T132739_20201231T140013_D001 | Error (Retracker 2), Surface model | |
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| CSULTY_SM_LINUCOUNTAIT INSUE_COUNT INSUE_COUNT INSUE_COUNT Emolity in the set is highly and backscatter entry for Relaxeder 2 for one or more ecods CS_OFFL_SR_LINU2_0201231T165338_20001231T165388_DOD1 Emol (Relaxeder 2), Backscatter entry for Relaxeder 2 for one or more ecods CS_OFFL_SR_LINU_2_0201231T161304_20001231T161004_DD01 Execute Entry (Relaxeder 2), Backscatter entry for Relaxeder 2 for one or more ecods CS_OFFL_SR_LINU_2_0201231T161046_20001231T161010_DD01 Entry (Relaxeder 2), Backscatter entry for Relaxeder 2 for one or more ecods CS_OFFL_SR_LINU_2_0201231T161046_20001231T161010_DD01 Entry (Relaxeder 2), Backscatter entry for Relaxeder 2 for one or more ecods CS_OFFL_SR_LINU_2_0201231T161046_20001231T161010_E0001 Entry (Relaxeder 2), Backscatter entry for Relaxeder 2 for one or more ecods CS_OFFL_SR_LINU_2_0201231T161046_20001231T161030_DD01 Entry (Relaxeder 2), Backscatter entry for Relaxeder 2 for one or more ecods CS_OFFL_SR_LINU_2_0201231T161031_2001121T161033_DD011 Entry (Relaxeder 2), Backscatter entry for Relaxeder 2 end or entroe ecods CS_OFFL_SR_LINU_2_0201231T162014_2001231T161033_DD011 Entry (Relaxeder 2), Backscatter entry for Relaxeder 2 end or entroe ecods CS_OFFL_SR_LINU_2_0201231T162014_2001231T161033_DD011 Entry (Relaxeder 2), Backscatter entry for Relaxeder 2 end or entroe ecods CS_OFFL_SR_LINU_2_0201231T162014_2001231T161033_DD011 Entry (Relaxeder 2), Backscatter entry for Relaxeder 2 end or entroe ecods | CS_OFFL_SIR_LRM_220201231T150624_20201231T152805_D001 | | |
| CS_OFFL_SIR_LENU_2_00012311105308_00011 Envir (Relaxed 2) incode CS_OFFL_SIR_LENU_2_00012311105148_00012311105142_0001 Envir (Relaxed 2) incode CS_OFFL_SIR_LENU_2_00012311105148_00012311105140_0001 Envir (Relaxed 2) incode CS_OFFL_SIR_LENU_2_00012311105148_00012311105140_0001 Envir (Relaxed 2) incode CS_OFFL_SIR_LENU_2_00012311105148_00012311105140_00012311105140_0001 Envir (Relaxed 2) incode CS_OFFL_SIR_LENU_2_00012311105140_0001 Envir (Relaxed 2), Backscatter Envir (Relaxed 2), Backscatter CS_OFFL_SIR_LENU_2_00012311105150_0001 Envir (Relaxed 2), Backscatter Trace is a height and backscatter error for Relaxed 2 2 for one or more CS_OFFL_SIR_LENU_2_00012311105150_0001 Envir (Relaxed 2), Backscatter Trace is a height and backscatter error for Relaxed 2 1 or one or more CS_OFFL_SIR_LENU_2_00012311105150_0001 | CS_OFFL_SIR_LRM_220201231T155142_20201231T155245_D001 | | |
| CS_UFL_SR_URM_2_0001231T16034_0001 Emit (Retracker 2) incode CS_UFFL_SR_URM_2_0001231T16158_0001231T161752_0001 Height Error (Retracker 2) Backscatter CS_UFFL_SR_URM_2_0001231T16158_0001231T162117_0001 Height Error (Retracker 2) Backscatter CS_UFFL_SR_URM_2_0001231T16158_0001231T162117_0001 Height Error (Retracker 2) Backscatter CS_UFFL_SR_URM_2_0001231T16158_0001231T160131_0001 Height Error (Retracker 2) Backscatter CS_UFFL_SR_URM_2_0001231T16158_0001231T160033_0001 Height Error (Retracker 2) Backscatter CS_UFFL_SR_URM_2_0001231T160033_0001 Height Error (Retracker 2) Backscatter CS_UFFL_SR_URM_2_0001231T160035_00011 Height Error (Retracker 2) Backscatter Height Error (Retr | CS_OFFL_SIR_LRM_220201231T155338_20201231T155558_D001 | | 0 |
| CS_0FH_SH_URV_2_A001231110106_0021031110100_0001 Emd (Retracker 2) records CS_0FH_SH_URV_2_202012311101449_002012311102017_0001 Height Emd (Retracker 2), Backscatter Emd (Retracker 2) There is height and backscatter error for Retracker 2 for one or more errords CS_0FH_SH_URV_2_202012311101449_00201231110003_0001 Height Emd (Retracker 2), Backscatter Emd (Retracker 2) There is a height and backscatter error for Retracker 2 for one or more errords CS_0FH_SH_URV_2_20201231110011_000000000 Height Emd (Retracker 2), Backscatter Emd (Retracker 2) There is a height and backscatter error for Retracker 2 for one or more errords CS_0FH_SH_URV_2_20201231110011_0000000000000000000000 | CS_OFFL_SIR_LRM_220201231T160143_20201231T160324_D001 | | 0 |
| CS_UFH_SR_LRM_2_20201231T10492_0201231T17552_D001 Error (Retracker 2) records CS_OFIL_SIR_LRM_2_20201231T164551_20201231T17552_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error for Retracker 2 for one or more ecords There is a height and | CS_OFFL_SIR_LRM_220201231T161058_20201231T161702_D001 | | |
| CS_OFFL_SIR_LEM_2_20201231T173464_20201231T180053_D001 Enror (Retracker 2) records CS_OFFL_SIR_LEM_2_20201231T173464_20201231T180053_D001 Height Enror (Retracker 2), Height Enror There is a height and backscatter enror for Retracker 2 and a height enror for Retracker 2, and a height enror for Retrack | CS_OFFL_SIR_LRM_220201231T161849_20201231T162917_D001 | | |
| CS_OFFL_SIR_LRM_2_20201231T182018_20201231T18033_D001 Enor (Retracker 2) records CS_OFFL_SIR_LRM_2_20201231T182018_20201231T18033_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_20201231T191510_20201231T19633_D001 Height Error (Retracker 2), Backscatter Error There is a height and backscatter error for Retracker 2 and a height error CS_OFFL_SIR_LRM_2_20201231T191510_20201231T194334_D001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more CS_OFFL_SIR_LRM_2_20201231T200435_20201231T201855_D001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more CS_OFFL_SIR_LRM_2_20201231T202035_20201231T201855_D001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more CS_OFFL_SIR_LRM_2_20201231T2020318_D001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more CS_OFFL_SIR_LRM_2_20201231T20201231T202318_D001 Surface Model Unavailable No DEM or Skope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20201231T203517_20201231T210316_D001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error for Retracker | CS_OFFL_SIR_LRM_220201231T164551_20201231T171532_D001 | | |
| CS_OFFL_SIR_LRM_2_20201231T182916_20201231T18330_D001 (Retracker 2) CS_OFFL_SIR_LRM_2_20201231T18216_20201231T193112_D001 Peight Error (Retracker 2), Backscatter Error (Retracker 2) CS_OFFL_SIR_LRM_2_20201231T194735_20201231T194834_D001 Peight Error (Retracker 2), Backscatter Error (Retracker 2), Backscatte | CS_OFFL_SIR_LRM_220201231T173454_20201231T180633_D001 | | |
| CS_OFFL_SIR_LRM_2_20201231T191510_02011231T193112_0001 Error (Retracker 2) hecords CS_OFFL_SIR_LRM_2_20201231T194735_20201231T194834_0001 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_20201231T200435_20201231T201655_0001 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_20201231T202035_20201231T202318_0001 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_20201231T202345_0001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20201231T202517_02201231T203543_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20201231T205816_02201231T210318_D001 Height Error (Retracker 2), Height Error (Retracker 2) There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20201231T210602_20201231T210318_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_220201231T182918_20201231T185330_D001 | (Retracker 3), Backscatter Error | 0 |
| CS_OFFL_SIR_LRM_2_20201231119473_20201231119473_20201231119473_20201231119473_202012311201855_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_202012311200435_202012311201855_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_20201231120235_202012311202318_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_202012311202744_202012311203451_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_202012311203517_202012311203543_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_202012311203517_202012311210318_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_2020123112106816_202012311210318_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_202012311210682_202012311212941_D001 Height Error (Retracker 2). Backscatter Error (Retracker 3). Backscat | CS_OFFL_SIR_LRM_220201231T191510_20201231T193112_D001 | | |
| CS_OFFL_SIR_LRM_2_202012311200435_202012311201855_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20201231120255_202012311202316_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_202012311202517_202012311203517_202012311203545_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_202012311203517_202012311203543_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_202012311203517_202012311203543_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_202012311205616_20201231121038_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_20201231121602_202012311212041_D001 Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), | CS_OFFL_SIR_LRM_220201231T194735_20201231T194834_D001 | | - |
| CS_OFFL_SIR_LRM_2_202012311202035_202012311202318_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_202012311202744_202012311203451_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_202012311203517_202012311203543_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_202012311205816_202012311210318_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_202012311210602_202012311212941_D001 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retrac | CS_OFFL_SIR_LRM_220201231T200435_20201231T201855_D001 | | |
| CS_OFFL_SIR_LRM_2_20201231T203517_20201231T203543_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20201231T205816_20201231T210318_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20201231T210602_20201231T210941_D001 Height Error (Retracker 2), Error (Retracker 2), Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Error (Retracker 2), Error (Retracker 2), Backscatter Error (Retracker 2), Erro | CS_OFFL_SIR_LRM_220201231T202035_20201231T202318_D001 | | - |
| CS_OFFL_SIR_LRM_2_20201231T205816_20201231T210318_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_20201231T210602_20201231T21941_D001 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter 2) There is a height and backscatter error for Retracker 2 and a height error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20201231T220301_20201231T230811_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20201231T232302_20201231T234812_D001 Height 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 for Retracker 3 for one or more records | CS_OFFL_SIR_LRM_220201231T202744_20201231T203451_D001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_2_20201231T205816_20201231T210518_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20201231T210602_20201231T212941_D001 Height Error (Retracker 2), Height Error (Retracker 2), Height Error for Retracker 3), Backscatter Error for 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), Height Error for Retracker 3), Backscatter Error for Retracker 3), Backscatter Error for Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20201231T214344_20201231T220825_D001 Height Error (Retracker 2), Backscatter Error for Retracker 2), Backscatter Error for Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20201231T223437_20201231T230811_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20201231T232302_20201231T234812_D001 Height Error (Retracker 2), Height Error (Retracker 2), Height Error for Retracker 2), Height Error for Retracker 2) There is a height and backscatter error for Retracker 2 and a height error for Retracker 2) | CS_OFFL_SIR_LRM_220201231T203517_20201231T203543_D001 | Surface Model Unavailable | No DEM or Slope Model was used for the location of one or more records |
| CS_OFFL_SIR_LRM_2_20201231T210602_20201231T212941_D001 (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_20201231T214344_20201231T220825_D001 Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Err | CS_OFFL_SIR_LRM_220201231T205816_20201231T210318_D001 | | |
| CS_OFFL_SIR_LRM_2_20201231T214344_20201231T220825_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_20201231T223437_20201231T230811_D001 Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (| CS_OFFL_SIR_LRM_220201231T210602_20201231T212941_D001 | (Retracker 3), Backscatter Error | |
| CS_OFFL_SIR_LRM_2_202012311223437_202012311230611_D001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_202012311232302_202012311234812_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 for Retracker 3 for one or more records | CS_OFFL_SIR_LRM_220201231T214344_20201231T220825_D001 | (Retracker 3), Backscatter Error | |
| CS_OFFL_SIR_LRM_2_20201231T232302_20201231T234812_D001 (Retracker 3), Backscatter Error (Retracker 2) for Retracker 3 for one or more records | CS_OFFL_SIR_LRM_220201231T223437_20201231T230811_D001 | | - |
| 6. QCC Report Analysis | CS_OFFL_SIR_LRM_220201231T232302_20201231T234812_D001 | (Retracker 3), Backscatter Error | |
| | 6. | QCC Report Analysis | |

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

| Product type | No. Products | No. QCC Reports | No. Valid | No. Warnings | No. Errors |
|--------------|--------------|-----------------|-----------|--------------|------------|
| SIR_LRM_1B | 190 | 190 | 190 | 0 | 0 |
| SIR_SAR_1B | 115 | 115 | 115 | 0 | 0 |
| SIR_SIN_1B | 102 | 102 | 102 | 0 | 0 |
| SIR_LRM_2 | 190 | 190 | 187 | 3 | 0 |

| SIR_SAR_2 | 102 | 115 | 115 | 0 | 0 |
|-----------|-----|-----|-----|---|----|
| SIR_SIN_2 | 115 | 102 | 98 | 4 | 0 |
| SIR_GDR_2 | 15 | 15 | 0 | 0 | 15 |
| | | | | | |

6.1 QCC Errors

Number of products with QCC errors:

| Product Ty | MPHDUTNCDF | MPHXPFNCDF | MPHXVFNCDF | MPHYPFNCDF | MPHYVFNCDF | MPHZPFNCDF | MPHZVFNCDF | STRUCTURESIZ EANDREAD | - | - | - |
|------------|------------|------------|------------|------------|------------|------------|------------|--------------------------|---|---|---|
| SIR_GDR_2 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | | | |

15

| Test Description Key: | est Description Key: | | | | |
|-----------------------|--------------------------------|---|--|--|--|
| Abbreviation | Test name | Details | | | |
| MPHDUTNCDF | MPH_Delta_UT1_NetCDF | Delta_UT1 mismatch | | | |
| MPHXPFNCDF | MPH_X_Position_Float_v2_NetCDF | X_Position mismatch (DBL float (GDR), rounded to 100) | | | |
| MPHXVFNCDF | MPH_X_Velocity_Float_v2_NetCDF | X_Velocity mismatch (DBL float (GDR), rounded to 1) | | | |
| MPHYPFNCDF | MPH_Y_Position_Float_v2_NetCDF | Y_Position mismatch (DBL float (GDR), rounded to 100) | | | |
| MPHYVFNCDF | MPH_Y_Velocity_Float_v2_NetCDF | Y_Velocity mismatch (DBL float (GDR), rounded to 1) | | | |
| MPHZPFNCDF | MPH_Z_Position_Float_v2_NetCDF | Z_Position mismatch (DBL float (GDR), rounded to 100) | | | |
| MPHZVFNCDF | MPH_Z_Velocity_Float_v2_NetCDF | Z_Velocity mismatch (DBL float (GDR), rounded to 1) | | | |
| STRUCTURESIZEAND | STRUCTURE_SIZE_AND_READ | Under investigation. | | | |

6.2 QCC Warnings

| Number of QCC repo | orts with warnings | 7 | | | | | |
|----------------------|--------------------|-----------|------------|--------------------------|-------------|---|---|
| | | | Total numb | per of occurrences of ea | ich warning | | |
| Product Type | AXDME | AXSMMEOCI | - | - | - | - | - |
| SIR_LRM_2_ | 0 | 3 | | | | | |
| SIR_SIN_2_ | 4 | 0 | | | | | |
| | | | | | | | |
| Test Description Key | r: | | | | | | |
| Abbroviation | Toet name | | | Dotaile | | | |

| AXDME AttributeXrefDemMustExist The xref_dem attribute is mandatory in SIN products over continental ice | |
|---|--|
| | |
| AXSMMEOCI AttributeXrefSlopeModelMustExistOverContinentalIce The xref_slope_model is mandatory in LRM products over continental ice | |

6.2 Missing QCC Reports

Number of products with missing QCC reports: