

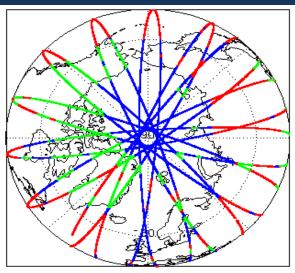
# 1. Overview

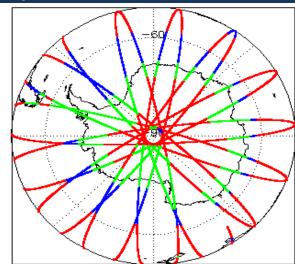
| Report Production Date: | 30-Jan-2020             |
|-------------------------|-------------------------|
| Processor Used:         | CryoSat Ice Processor   |
| Data Used:              | L1B and L2 OFFLINE Data |

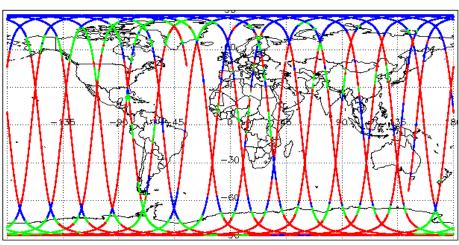
| Check                                      | Status                  |
|--|-------------------------|
| Server check: science-pds.cryosat.esa.int  | Nominal                 |
| Server check: calval-pds.cryosat.esa.int   | Nominal                 |
| Product Software Check                     | Nominal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

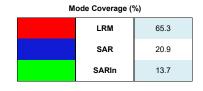
| Mission | Mission / Instrument News |                 |  |
|---------|---------------------------|-----------------|--|
| 31-Dec  | -2019                     | None            |  |
| 01-Jan  | -2020                     | None            |  |
| 02-Jan  | -2020                     | Nothing planned |  |

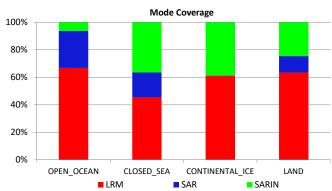
# 2. Global Coverage

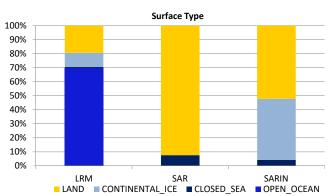












# 3. Instrument Configuration

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

| SIRAL instrument(s) in use: | SIRAL - A |
|-----------------------------|-----------|
|-----------------------------|-----------|

# 4. Level 1B Data Quality Check

### 4.1 L1B Product Format Check

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

Number of products with errors:

## 4.2 L1B Product Header Analysis

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

Test Failed

Description

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: 0

## 4.4 L1B Tracking Flags Check

Product

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

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

Number of products with errors: 109

| Product   | Test Failed                            | Description  |
|---|--|--|
| CS_OFFL_SIR_LRM_1B_20200101T001641_20200101T001740_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T001746_20200101T001827_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T001831_20200101T001850_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T002232_20200101T003109_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T003551_20200101T003658_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T003702_20200101T005321_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T011026_20200101T012411_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T012657_20200101T013957_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T015523_20200101T015845_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T015848_20200101T015900_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T015903_20200101T015950_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T015954_20200101T020003_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T020007_20200101T020017_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T020021_20200101T020024_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T020027_20200101T020031_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T020037_20200101T020314_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T020317_20200101T020325_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T020552_20200101T021610_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T025210_20200101T030200_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T030455_20200101T031002_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T031246_20200101T031904_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T033348_20200101T033625_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS OFFL SIR LRM 1B 20200101T033629 20200101T033751 D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T033754_20200101T033910_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS OFFL SIR LRM 1B 20200101T033914 20200101T033949 D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS OFFL SIR LRM 1B 20200101T033955 20200101T033959 D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T034004_20200101T034013_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T034020_20200101T034124_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T034129_20200101T034202_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_202001011034129_202001011034202_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T034715_20200101T034742_D001   | Loss of echo                           |  |
|   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T042537_20200101T045357_D001   | Loss of echo                           | The tracking cohe is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T045634_20200101T045819_D001   |  | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T051702_20200101T052225_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T052305_20200101T052328_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T052527_20200101T055029_D001   | Loss of echo                           | The tracking cohe is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T065502_20200101T065822_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T065856_20200101T070050_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T070053_20200101T070055_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T070058_20200101T070100_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T070102_20200101T070113_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T070117_20200101T070121_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T070125_20200101T070658_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T070701_20200101T071951_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T074519_20200101T081758_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
|   |  |  |
| CS_OFFL_SIR_LRM_1B_20200101T083309_20200101T083337_D001   | Loss of echo                           | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_LRM_1B_20200101T083309_20200101T083337_D001  CS_OFFL_SIR_LRM_1B_20200101T083725_20200101T083847_D001  CS_OFFL_SIR_LRM_1B_20200101T083931_20200101T084014_D001 | Loss of echo Loss of echo Loss of echo | The tracking echo is missing for one or more records  The tracking echo is missing for one or more records |

| Company   Comp   |   | 1            |   |
|--|---|--------------|---|
| Co. CHI. SEL. UNIT MI 202001011100102 2000 100000 2000 100000 2000 100000 2000 100000 2000 100000 2000 100000 2000 100000 2000 100000 2000 100000 2000 100000 2000 100000 2000 100000 2000 100000 2000 100000 200000 20000 100000 20000 20000 2000000  | CS_OFFL_SIR_LRM_1B_20200101T084335_20200101T084436_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| Co. Co.      | CS_OFFL_SIR_LRM_1B_20200101T084947_20200101T085321_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| Description      | CS_OFFL_SIR_LRM_1B_20200101T085342_20200101T085531_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| Description      | CS OFFL SIR LRM 1B 20200101T095939 20200101T100006 D001 | Loss of echo | The tracking echo is missing for one or more records  |
| Co., CHI, SEL, MA, 19, 20000017100262, 2000017100262   D010   Loss of who  |   |              | · ·   |
| Co. CH. SHILL MAY 18 (2000)011110320 (2000)11110320 (2001) Loss of entrol Processors (1) Co. CH. SHILL MAY 18 (2000)011110320 (2001) Loss of entrol Processors (1) Co. CH. SHILL MAY 18 (2000)011110320 (2001) Loss of entrol Processors (1) Co. CH. SHILL MAY 18 (2000)011110320 (2001) Loss of entrol Processors (1) Co. CH. SHILL MAY 18 (2000)011110320 (2001) Loss of entrol Processors (1) Co. CH. SHILL MAY 18 (2000)011110320 (2001) Loss of entrol Processors (1) Co. CH. SHILL MAY 18 (2000)011110320 (2001) Loss of entrol Processors (1) Co. CH. SHILL MAY 18 (2000)011110320 (2000)01110320 (2000) |   |              |   |
| Co. OHE, SE, LIM 19. 2000011112311, 2000011111351, 200101111351, 20010111351, 200101111351, 200101111351, 200101111351, 200101111351, 200101111351, 200101111351, 200101111351, 200101111351, 200101111351, 200101111351, 200101111351, 200101111351, 2001011351, 2001011 |   |              |   |
| Co. CH. J. Bill. L. M. I. B. 2000011115038 (2000011115038) (200001115038) (2000 | CS_OFFL_SIR_LRM_1B_20200101T102733_20200101T102753_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| Co. CH. S. M. LW. 10. 2000011113001, 2000101113001, 2000101113001, 2000101113001, 2000101113001, 2000101113001, 2000101113001, 200010113001, 2 | CS_OFFL_SIR_LRM_1B_20200101T105415_20200101T105637_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| Co. PT.   SR.   J.M.   12   20001011113662   20001011113660   20001011113660   20001011113660   20001011113660   2000101113660   2000101113660   2000101113660   2000101113660   2000101113660   2000101113660   2000101360   2000101360    | CS_OFFL_SIR_LRM_1B_20200101T110339_20200101T113633_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| Co., CPFL_SRL_IMS_18_2000101113012_2000101114058_0.0001 Co., CPFL_SRL_IMS_18_2000101113012_200010114058_0.0001 Co., CPFL_SRL_IMS_18_2000101113012_200010114058_0.0001 Co., CPFL_SRL_IMS_18_2000101113012_200010114058_0.0001 Co., CPFL_SRL_IMS_18_200010114012_200010114018_0.0001 Co., CPFL_SRL_IMS_18_200010114012_200010114018_0.0001 Co., CPFL_SRL_IMS_18_200010114012_200010114018_0.0001 Co., CPFL_SRL_IMS_18_200010114012_200010114018_0.0001 Co., CPFL_SRL_IMS_18_200010114012_200010114018_0.0001 Co., CPFL_SRL_IMS_18_2000101144012_200010114018_0.0001 Co., CPFL_SRL_IMS_18_2000101144012_2000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144012_2000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144012_2000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144012_2000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144012_2000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144012_2000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144018_0.000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144018_0.000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144018_0.000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144018_0.000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144018_0.000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144018_0.000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144018_0.000101144018_0.000101144018_0.0001 Co., CPFL_SRL_IMS_18_2 | CS_OFFL_SIR_LRM_1B_20200101T113806_20200101T113853_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| Co., CPFL_SRL_IMS_18_2000101113012_2000101114058_0.0001 Co., CPFL_SRL_IMS_18_2000101113012_200010114058_0.0001 Co., CPFL_SRL_IMS_18_2000101113012_200010114058_0.0001 Co., CPFL_SRL_IMS_18_2000101113012_200010114058_0.0001 Co., CPFL_SRL_IMS_18_200010114012_200010114018_0.0001 Co., CPFL_SRL_IMS_18_200010114012_200010114018_0.0001 Co., CPFL_SRL_IMS_18_200010114012_200010114018_0.0001 Co., CPFL_SRL_IMS_18_200010114012_200010114018_0.0001 Co., CPFL_SRL_IMS_18_200010114012_200010114018_0.0001 Co., CPFL_SRL_IMS_18_2000101144012_200010114018_0.0001 Co., CPFL_SRL_IMS_18_2000101144012_2000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144012_2000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144012_2000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144012_2000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144012_2000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144012_2000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144018_0.000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144018_0.000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144018_0.000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144018_0.000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144018_0.000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144018_0.000101144018_0.0001 Co., CPFL_SRL_IMS_18_2000101144018_0.000101144018_0.000101144018_0.0001 Co., CPFL_SRL_IMS_18_2 | CS OFFL SIR LRM 1B 20200101T113856 20200101T113901 D001 | Loss of echo | The tracking echo is missing for one or more records  |
| Co. CFL_SIR_LIMI_18_20200011712349_2020011712349_2020117123449_2020117123449_202011712349_2020   |   |              | ·   |
| CS. OFT., SRI, LIMI, 18. 202001911120728 2020091112078 2020091112078 2020019112078 202009112078 202009112078 2020 |   |              |   |
| CS. OFFL. SIR. LPM. 18. 202001911120249. 20200911140581. DOIS  CS. OFFL. SIR. LPM. 18. 202001911120249. 20200911140581. DOIS  CS. OFFL. SIR. LPM. 18. 202001911130279. 2020091114058. DOIS  CS. OFFL. SIR. LPM. 18. 202001911130279. 2020091114058. DOIS  CS. OFFL. SIR. LPM. 18. 202001911130279. 2020091114058. DOIS  CS. OFFL. SIR. LPM. 19. 202001911130279. 2020091114058. DOIS  CS. OFFL. SIR. LPM. 19. 202001911130279. 2020091114058. DOIS  CS. OFFL. SIR. LPM. 19. 20200191114029. 2020091114059. DOIS  CS. OFFL. SIR. LPM. 19. 20200191114029. 2020091114059. DOIS  CS. OFFL. SIR. LPM. 19. 20200191114029. 2020091114059. DOIS  CS. OFFL. SIR. LPM. 19. 2020019114029. 2020091114059. DOIS  CS. OFFL. SIR. LPM. 19. 2020019114029. 2020091144059. DOIS  CS. OFFL. SIR. LPM. 19. 20200191144029. DOIS 10.00009144039. DOIS  CS. OFFL. SIR. LPM. 19. 20200191144039. DOIS  CS. OFFL. SIR. LPM. 19. 20200191144039. DOIS 10.00009144039. |   | Loss of echo |   |
| Co. OFFL_SR_LINL_10_20000101113317_20001011133180_0001   | CS_OFFL_SIR_LRM_1B_20200101T123349_20200101T123545_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_CFFL_SR_LPAL_18_20000191713492_2000101713495_D001   | CS_OFFL_SIR_LRM_1B_20200101T123729_20200101T124049_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS OFFL SIR LRM. 19. 2000010113082, 2000101130800, D001 Loss of exhat  CS OFFL SIR LRM. 19. 200001013082, 2000101130800, D001 Loss of exhat  CS OFFL SIR LRM. 19. 200001013082, 20000101130800, D001 Loss of exhat  CS OFFL SIR LRM. 19. 200001013082, 20000101140800, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114091, 2000010114090, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 2000010114090, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 2000010114090, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 2000010114092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 2000010114092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 2000010114092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 2000010114092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 2000010114092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 2000010114092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 2000010114092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 2000010114092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 2000010114092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 2000010114092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 2000010114092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 2000010114092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 2000010114092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 2000010114092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 20000101144092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010114092, 20000101144092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 20000101144092, 20000101144092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 20000101144092, 20000101144092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 20000101144092, 20000101144092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 20000101146092, 20000101146092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010116092, 20000101164092, D001 Loss of exhat  CS OFFL SIR LRM. 19. 2000010116092, 200001011660 | CS_OFFL_SIR_LRM_1B_20200101T124249_20200101T125811_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| GS_OFFL_SR_LRM_18_2000101113524_2020101113935_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114126_2000101114405_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114126_2000101114405_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114405_2000101114405_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114405_2000101114405_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114405_2000101114405_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114405_2000101114605_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114405_2000101114607_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114605_2000101114607_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_200011114604_2000101114607_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114604_2000101114607_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114604_2000101114607_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114604_200010114607_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114604_200010114604_20001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114604_200010114604_20001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114604_200010114604_20001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101116040_200010114604_20001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101116040_2000101116 | CS_OFFL_SIR_LRM_1B_20200101T131317_20200101T131525_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| GS_OFFL_SR_LRM_18_2000101113524_2020101113935_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114126_2000101114405_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114126_2000101114405_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114405_2000101114405_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114405_2000101114405_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114405_2000101114405_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114405_2000101114605_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114405_2000101114607_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114605_2000101114607_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_200011114604_2000101114607_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114604_2000101114607_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114604_2000101114607_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114604_200010114607_D001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114604_200010114604_20001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114604_200010114604_20001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101114604_200010114604_20001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101116040_200010114604_20001 Loss of acho The tracking coho is missing for one or more records  GS_OFFL_SR_LRM_18_2000101116040_2000101116 | CS OFFL SIR LRM 1B 20200101T131528 20200101T131953 D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS OFFL_SIR_LIM_19_2020101114323_2000001114055_D001 Loss of acho  The tracking exists in insisting for one or more records  CS OFFL_SIR_LIM_19_2020010114428_200001114465_D001 Loss of acho  The tracking exists in insisting for one or more records  CS OFFL_SIR_LIM_19_2020010114462_2000010114465_D001 Loss of acho  The tracking exists in insisting for one or more records  CS OFFL_SIR_LIM_19_20200101114463_D00010114465_D001 Loss of acho  The tracking exists in insisting for one or more records  CS_OFFL_SIR_LIM_19_20200101114469_D00010114464_D001 Loss of acho  The tracking exists in insisting for one or more records  CS_OFFL_SIR_LIM_19_20200101114469_D00010114464_D001 Loss of acho  The tracking exists in insisting for one or more records  CS_OFFL_SIR_LIM_19_2020010111469_D000101114690_D001  Loss of acho  The tracking exists in insisting for one or more records  CS_OFFL_SIR_LIM_19_20200101114690_D0010114690_D001  Loss of acho  The tracking exists in insisting for one or more records  CS_OFFL_SIR_LIM_19_20200101114690_D0010114690_D001  Loss of acho  The tracking exists in insisting for one or more records  CS_OFFL_SIR_LIM_19_20200101114690_D0010114690_D001  Loss of acho  The tracking exists in insisting for one or more records  CS_OFFL_SIR_LIM_19_20200101114690_D0010114690_D001  Loss of acho  The tracking exists in insisting for one or more records  CS_OFFL_SIR_LIM_19_20200101114690_D0010114690_D001  Loss of acho  The tracking exists in insisting for one or more records  CS_OFFL_SIR_LIM_19_20200101114690_D0010114690_D001  Loss of acho  The tracking exists in insisting for one or more records  CS_OFFL_SIR_LIM_19_20200101114690_D0010114690_D001 |   |              | · ·   |
| GS_GFF_SR_LRN_18_200001011140530_20001011140500_00101 Loss of exho The tracking exho is missing for one or more records GS_GFF_SR_LRN_18_20000101114405_2000010114405_0001 Loss of exho The tracking exho is missing for one or more records GS_GFF_SR_LRN_18_2000101114405_2000010114405_0001 Loss of exho The tracking exho is missing for one or more records The tracking exho is missing for one or more records GS_GFF_SR_LRN_18_2000101114405_2000010114405_0001 Loss of exho The tracking exho is missing for one or more records GS_GFF_SR_LRN_18_2000101114405_2000101114401_0001 Loss of exho The tracking exho is missing for one or more records GS_GFF_SR_LRN_18_2000101114405_2000101114405_0001 Loss of exho The tracking exho is missing for one or more records GS_GFF_SR_LRN_18_2000101114405_2000101114405_0001 Loss of exho The tracking exho is missing for one or more records GS_GFF_SR_LRN_18_2000101114405_2000101114405_0001 Loss of exho The tracking exho is missing for one or more records GS_GFF_SR_LRN_18_2000101114405_2000101114405_0001 Loss of exho The tracking exho is missing for one or more records GS_GFF_SR_LRN_18_2000101114405_2000101114450_0001 Loss of exho The tracking exho is missing for one or more records GS_GFF_SR_LRN_18_2000101114450_000101114450_0001 Loss of exho The tracking exho is missing for one or more records GS_GFF_SR_LRN_18_2000101114450_000101114450_0001 Loss of exho The tracking exho is missing for one or more records GS_GFF_SR_LRN_18_2000101114450_000101114450_0001 Loss of exho The tracking exho is missing for one or more records GS_GFF_SR_LRN_18_2000101114450_0000101114500_00010114500_00010114500_00010114500_000101114500_000101114500_000101114500_000101114500_000101114500_000101114500_0000101114500_000101114500_000101114500_000101114500_000101114500_000101114500_000101114500_000101114500_000101114500_000101114500_000101114500_000101114500_000101114500_000101114500_000101115000_000101115000_000101115000_000101115000_000101115000_0001011150000_000101115000_0001011150000_0001011150000_0001011150000_0001011 |   |              |   |
| CS_OFF_SIR_LRIL_18_2020101T14428_202010T144480_D001  CS_OFF_SIR_LRIL_18_202010T144428_202010T144490_D001  CS_OFF_SIR_LRIL_18_202010T144428_202010T144490_D001  CS_OFF_SIR_LRIL_18_202010T144428_202010T144490_D001  CS_OFF_SIR_LRIL_18_202010T144490_202010T144490_D001  CS_OFF_SIR_LRIL_18_202010T144490_202010T144490_D001  CS_OFF_SIR_LRIL_18_202010T144490_202010T144490_D001  CS_OFF_SIR_LRIL_18_202010T144490_202010T144490_D001  CS_OFF_SIR_LRIL_18_2020010T144490_202010T144490_D001  CS_OFF_SIR_LRIL_18_2020010T144490_202010T144490_D001  CS_OFF_SIR_LRIL_18_2020010T144490_202010T144490_D001  CS_OFF_SIR_LRIL_18_2020010T144490_202010T14490_D001  CS_OFF_SIR_LRIL_18_2020010T14490_2020010T14490_D001  CS_OFF_SIR_LRIL_18_2020010T14490_2020010T14490_D001  CS_OFF_SIR_LRIL_18_2020010T14490_2020010T14490_D001  CS_OFF_SIR_LRIL_18_2020010T14490_2020010T14490_D001  CS_OFF_SIR_LRIL_18_2020010T14490_2020010T14490_D001  CS_OFF_SIR_LRIL_18_2020010T1490_2020010T14490_D001  CS_OFF_SIR_LRIL_18_2020010T1490_2020010T1490_D001  CS_OFF_SIR_LRIL_18_2020010T1490_2020010T1490_2020010T1490_D001  CS_OFF_SIR_LRIL_18_2020010T1490_2020 |   |              |   |
| CS_OFFL_SIR_LRM_1B_20200101T144428_2020101T144445_0001  CS_OFFL_SIR_LRM_1B_2020010T144443_000101T144445_0001  CS_OFFL_SIR_LRM_1B_2020010T144443_000010T144445_0001  CS_OFFL_SIR_LRM_1B_2020010T144443_000010T144545_0001  CS_OFFL_SIR_LRM_1B_2020010T144443_000010T144545_0001  CS_OFFL_SIR_LRM_1B_2020010T144443_000010T145452_0001  CS_OFFL_SIR_LRM_1B_2020010T144443_000010T145452_0001  CS_OFFL_SIR_LRM_1B_2020010T145452_000010T145452_0001  CS_OFFL_SIR_LRM_1B_2020010T145452_000010T145454_00001  CS_OFFL_SIR_LRM_1B_2020010T145452_000010T145454_00001  CS_OFFL_SIR_LRM_1B_2020010T145454_000010T145454_00001  CS_OFFL_SIR_LRM_1B_2020010T145454_000010T145454_00001  CS_OFFL_SIR_LRM_1B_2020010T145454_000010T145454_00001  CS_OFFL_SIR_LRM_1B_2020010T14544_000010T145454_00001  CS_OFFL_SIR_LRM_1B_2020010T14544_000010T145454_00001  CS_OFFL_SIR_LRM_1B_2020010T14544_000010T145454_00001  CS_OFFL_SIR_LRM_1B_2020010T14544_000010T145454_00001  CS_OFFL_SIR_LRM_1B_2020010T14544_000010T145454_00001  CS_OFFL_SIR_LRM_1B_2020010T14544_000010T145454_00001  CS_OFFL_SIR_LRM_1B_2020010T14544_000010T145454_00001  CS_OFFL_SIR_LRM_1B_2020010T14544_000010T145454_00001  CS_OFFL_SIR_LRM_1B_2020010T14544_000010T145454_000010T14544_000010 | CS_OFFL_SIR_LRM_1B_20200101T135330_20200101T140050_D001 | Loss of echo | •   |
| CS_OFFL_SIR_LRU_TS_2020101T144743_2020101T144949_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRU_TS_2020101T144949_2020101T144949_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRU_TS_2020101T144949_2020101T144949_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRU_TS_2020101T144949_2020101T144942_D001  CS_OFFL_SIR_LRU_TS_2020101T14949_2020101T14942_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRU_TS_2020101T14949_2020101T149430_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRU_TS_2020101T14940_2020101T149430_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRU_TS_2020101T14940_2020101T149430_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRU_TS_2020101T14940_2020101T149430_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRU_TS_2020101T14940_2020101T149430_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRU_TS_2020101T14940_2020101T149430_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRU_TS_2020101T14940_2020101T149430_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRU_TS_2020101T14940_2020101T149430_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRU_TS_2020101T194940_D0011T149430_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRU_TS_2020101T194940_D0011T194940_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRU_TS_2020101T194940_D0011T194940_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRU_TS_2020101T194940_D0011T194940_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRU_TS_2020101T194940_D0011T1 | CS_OFFL_SIR_LRM_1B_20200101T141216_20200101T141506_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20000101T144939_20200101T144934_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T144939_20200101T145937_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T14543_2020010T145237_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T14543_2020010T145237_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T145242_2020010T145325_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T14530_00010T145312_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T14530_00010T145312_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T14530_00010011145312_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T145430_000010T145449_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T145441_00000010T145449_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T145430_000010T14549_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T155501_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T155018_200010T1155050_001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T165018_200010T1155050_001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T165018_200010T1155050_001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T165018_200010T165050_001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T165018_200010T165050_001  Loss of exho  The tracking exho is missing for one or | CS_OFFL_SIR_LRM_1B_20200101T144528_20200101T144645_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20000101T144939_20200101T144934_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T144939_20200101T145937_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T14543_2020010T145237_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T14543_2020010T145237_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T145242_2020010T145325_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T14530_00010T145312_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T14530_00010T145312_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T14530_00010011145312_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T145430_000010T145449_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T145441_00000010T145449_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T145430_000010T14549_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T155501_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T155018_200010T1155050_001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T165018_200010T1155050_001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T165018_200010T1155050_001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T165018_200010T165050_001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_1B_2000010T165018_200010T165050_001  Loss of exho  The tracking exho is missing for one or | CS OFFL SIR LRM 1B 20200101T144743 20200101T144926 D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_18_2000101114493_2000101144941_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000101114542_200010114542_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000101114542_200010114542_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000101114542_2000101145430_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20001011145430_20001011145430_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20001011145430_2000101145430_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200001011145430_20001011145430_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200001011145430_20001011145430_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200001011145430_20001011145430_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200001011154330_20001011154350_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200001011154330_20001011154350_00010 |   |              | · ·   |
| CS_OFFL_SIR_LRM_18_2000101T145493_200010T145420_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_200010T145493_200010T14520_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_200010T145493_200010T14530_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2000010T145303_200010T14530_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2000010T145303_200010T145430_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2000010T145403_200010T145493_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2000010T145403_200010T1145495_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2000010T145403_200010T1154945_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2000010T115303_2000010T1154950_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2000010T115303_2000010T1154950_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2000010T115303_2000010T1155952_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2000010T115303_2000010T1155952_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2000010T115303_2000010T1155952_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2000010T116314_2000010T1163507_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2000010T116314_2000010T1163507_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2000010T116314_2000010T1163507_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2000010T1163403_2000010T1163507_0001 Loss of echo The tracking echo is missing for one or more |   |              | · ·   |
| CS_OFFL_SIR_LRM_18_20200101T145143_20200101T145242_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2020010T145242_2020010T145312_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2020010T145302_2020010T145312_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2020010T145302_2020010T145312_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2020010T145302_2020010T145303_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2020010T1455132_2020010T145005_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2020010T1455132_2020010T145005_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2020010T1455132_2020010T145005_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2020010T145005_2020010T145005_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2020010T145007_202010T14500_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2020010T145007_202010T14500_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2020010T145007_202010T14500_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2020010T145007_202010T145007_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2020010T145007_202010T145007_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2020010T145007_2020010T145007_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2020010T145007_2020010T145007_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2020010T145007_2020010T145007_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_S |   |              |   |
| CS_OFFL_SIR_LRM_IB_20200101T145242_2020010T145240_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020010T145283_2020010T145380_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020010T145380_2020010T145380_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020010T145380_2020010T145380_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020010T145400_2020010T145480_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020010T1152382_2020010T145480_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020010T1152382_2020010T1545718_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020010T1155018_2020010T155852_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020010T1156018_2020010T156582_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020010T1156018_2020010T156340_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020010T1163040_200010T163360_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020010T1163140_2020010T1163367_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020010T1165812_2020010T1163540_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020010T1165812_2020010T1165930_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020010T1165812_2020010T1165930_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020010T1165812_2020010T1165930_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020010T116930_2020010T1169330_D001  Loss of echo The trac | CS_OFFL_SIR_LRM_1B_20200101T144943_20200101T145140_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_18_20200101T145308_20200101T145300_D001  CS_OFFL_SIR_LRM_18_2020010T145308_2020010T145318_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T145408_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T145408_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T145408_D0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T155208_D00010T145438_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1753239_2020010T152086_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1753039_2020010T152086_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T176018_2020010T1762082_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T176018_2020010T1762082_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T176308_2020010T1762010_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T176304_2020010T1765010_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1765012_2020010T1765014_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1765012_2020010T1765014_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1765017_2020010T1765014_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1765017_2020010T1765014_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T17180742_202010T1780740_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T17190402_2020010T178074 | CS_OFFL_SIR_LRM_1B_20200101T145143_20200101T145237_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFSIR_LRM_18_20200101T145303_20200101T1454312_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20200101T145409_20200101T145438_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20200101T154549_20200101T145438_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20200101T155238_20200101T155458_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20200101T152339_20200101T15205_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20200101T152039_20200101T155912_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20200101T162032_20200101T162042_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20200101T163012_20200101T163018_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20200101T1630140_20200101T163014_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20200101T1630140_20200101T163014_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20200101T1630140_20200101T163014_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20200101T1630140_20200101T163014_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20200101T1630140_20200101T1800730_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20200101T180743_20200101T1800730_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20200101T180742_20200101T180074_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20200101T180742_20200101T180074_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20200101T193049_20200101T193400_D001 Loss of echo T                                   | CS_OFFL_SIR_LRM_1B_20200101T145242_20200101T145242_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_18_20200101T145306_2020010T145406_0001  CS_OFFL_SIR_LRM_18_2020010T145404_2020010T145434_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T145441_2020010T145935_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1152308_2020010T152055_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1152308_2020010T152055_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T11500127_2020010T1752052_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1160127_2020010T1762042_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1760308_2020010T1763016_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1760308_2020010T1763016_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1760312_2020010T1765301_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1766312_0200010T1765301_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1766312_0200010T1765301_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1766312_0200010T1765301_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1760312_200010T1780732_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1780742_2020010T1780732_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1780742_2020010T1780702_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1780742_2020010T1780702_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR | CS_OFFL_SIR_LRM_1B_20200101T145248_20200101T145300_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_18_20200101T145306_2020010T145406_0001  CS_OFFL_SIR_LRM_18_2020010T145404_2020010T145434_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T145441_2020010T145935_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1152308_2020010T152055_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1152308_2020010T152055_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T11500127_2020010T1752052_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1160127_2020010T1762042_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1760308_2020010T1763016_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1760308_2020010T1763016_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1760312_2020010T1765301_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1766312_0200010T1765301_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1766312_0200010T1765301_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1766312_0200010T1765301_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1760312_200010T1780732_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1780742_2020010T1780732_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1780742_2020010T1780702_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1780742_2020010T1780702_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR | CS OFFL SIR LRM 1B 20200101T145303 20200101T145312 D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_18_20200101T145440_20200101T145438_D001  CS_OFFL_SIR_LRM_18_20200101T145241_20200101T152055_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T15208_20200101T155055_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1T15208_2020010T154718_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1T15018_2020010T155852_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1T160127_2020010T1755852_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1760308_2020010T176308_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1763030_2020010T176309_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1763040_2020010T176309_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1765812_2020010T1765814_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1765812_2020010T1765814_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1765818_2020010T1712539_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1718073_2020010T172539_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1718073_2020010T1718073_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T1718073_2020010T1718073_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T178073_2020010T178073_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020010T178074_2020010T178073_D001  Loss of echo  The tracking echo is missing for one or more records   |   | Loss of echo |   |
| CS_OFFL_SIR_LRM_1B_20200101T145441_20200101T145943_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200101T155238_2020010T15255_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200101T155018_2020010T155018_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2020010T175018_2020010T155018_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2020010T175018_2020010T175018_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2020010T175014_Q020010T175018_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2020010T175014_Q020010T175014_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2020010T175018_2020010T175014_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2020010T175018_2020010T175018_2001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2020010T175018_2020010T175018_2001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2020010T1718073_Q001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2020010T1718073_Q0010 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2020010T1718073_Q00101 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2020010T1719074_Q00010T119002_Q001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2020010T1719374_Q00010T1193010_Q001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2020010T1719374_Q00010T193810_Q001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2020010T1719374_Q00010T1793543_Q00010T105431_Q0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202001 |   |              |   |
| CS_OFFL_SIR_LRM_1B_20200101T151528_20200101T152355_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T152333_20200101T155852_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T160127_20200101T165852_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T163038_20200101T163038_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T163034_20200101T163057_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T163140_20200101T163514_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T165812_20200101T165814_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T165813_20200101T165814_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T174033_20200101T180730_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T180737_20200101T180740_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T180737_20200101T180740_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T180737_20200101T180320_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T180040_20200101T19357_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T1803949_20200101T193374_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T1933949_20200101T193351_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T1939349_20200101T193527_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T1201030_20200101T2016200_D001 Loss of echo The t |   |              |   |
| CS_OFFL_SIR_LRM_1B_20200101T152339_20200101T154718_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T169127_20200101T165852_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T169127_20200101T165818_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T165314_20200101T165518_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T165212_20200101T165514_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T165212_20200101T165514_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T165518_2000101T165514_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T165518_2000101T165514_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T180732_2000101T180732_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T180732_2000101T180732_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T180742_20200101T180740_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T180742_20200101T181537_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193020_20200101T181537_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193020_20200101T19340_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T1930340_2020010T179351_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T1219394_2020010T179351_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T1219304_202001 Loss of echo The tracking echo is missin |   |              |   |
| CS_OFFL_SIR_LRM_1B_20200101T155018_20200101T165012_20200101T165012_2020101T165012_20200101T12001012_20200101T165012_20200101T12001012_20200101T1200101101010101010101010101010                 | CS_OFFL_SIR_LRM_1B_20200101T151528_20200101T152055_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20200101T160127_20200101T16308_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T163140_20200101T165314_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T165314_D0010T165614_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T165814_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T165814_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T165814_20200101T172539_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T174043_20200101T180732_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T18074_20200101T18074_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T18074_20200101T18074_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T180742_20200101T18074_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T180742_20200101T181537_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193420_20200101T193420_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193420_2020101T193431_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193492_20200101T193227_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T20103_20200101T195227_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T211949_20200101T212620_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T221755_20200101T22755_D001 Loss of echo The tracking echo is missing for one or more records | CS_OFFL_SIR_LRM_1B_20200101T152339_20200101T154718_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20200101T163104_20200101T163105_D001  | CS_OFFL_SIR_LRM_1B_20200101T155018_20200101T155852_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_IB_20200101T163140_20200101T16359T_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T165812_20200101T165814_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T165818_20200101T172539_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T174043_20200101T180732_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T180737_20200101T180732_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T180737_20200101T180740_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T180742_20200101T181002_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T180742_20200101T181537_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T180940_20200101T193400_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T193754_20200101T193810_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T193949_20200101T193527_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T194923_20200101T204411_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T211494_20200101T212754_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T21245_20200101T212754_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T2215202_2020101T2125308_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T22355_20200101T22358_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T223662_20200101T232684_D001 Loss of echo The tracki | CS_OFFL_SIR_LRM_1B_20200101T160127_20200101T162642_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_IB_20200101T163140_20200101T16359T_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T165812_20200101T165814_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T165818_20200101T172539_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T174043_20200101T180732_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T180737_20200101T180732_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T180737_20200101T180740_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T180742_20200101T181002_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T180742_20200101T181537_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T180940_20200101T193400_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T193754_20200101T193810_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T193949_20200101T193527_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T194923_20200101T204411_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T211494_20200101T212754_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T21245_20200101T212754_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T2215202_2020101T2125308_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T22355_20200101T22358_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200101T223662_20200101T232684_D001 Loss of echo The tracki | CS_OFFL_SIR_LRM_1B_20200101T163036_20200101T163108_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20200101T165212_20200101T165814_D001  |   |              |   |
| CS_OFFL_SIR_LRM_18_20200101T165812_20200101T165814_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T174043_20200101T180732_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T180737_20200101T180732_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T180737_20200101T180740_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T181049_20200101T181037_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T181049_20200101T181537_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T193020_20200101T193420_D0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T193754_2020001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T193754_20200010T193420_D0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T193754_20200101T193810_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T193949_20200101T195227_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T1214923_20200101T1212820_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T212456_20200101T222308_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T212800_20200101T212942_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T212800_20200101T223588_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T223642_20200101T223588_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  C |   |              |   |
| CS_OFFL_SIR_LRM_18_20200101T165818_20200101T172539_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T180737_20200101T180740_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T180742_20200101T181002_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T181049_20200101T181537_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T193020_20200101T193420_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T193754_20200101T193810_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T193754_20200101T193810_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T193754_20200101T193810_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T193810_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T193810_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T193810_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T19492_20200101T194531_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T211949_20200101T212620_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T212745_20200101T212745_D0010  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T212745_20200101T212754_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T22368_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200101T223642_20200101T22368_D001  Loss of echo  The tracking echo is missing for one or more  |   |              |   |
| CS_OFFL_SIR_LRM_1B_20200101T174043_20200101T180732_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T180742_20200101T181002_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T181049_20200101T181537_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193020_20200101T193420_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193020_20200101T193420_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193754_20200101T193810_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193949_20200101T194531_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T194923_20200101T195227_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T201030_20200101T204411_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T211949_20200101T212754_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212757_20200101T212942_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T22358_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232668_20200101T23268_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232646_20200101T232644_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more | CS_OFFL_SIR_LRM_1B_20200101T165812_20200101T165814_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20200101T180737_20200101T180740_D001  CS_OFFL_SIR_LRM_1B_20200101T180742_20200101T181002_D001  CS_OFFL_SIR_LRM_1B_20200101T181049_20200101T181537_D001  CS_OFFL_SIR_LRM_1B_20200101T193020_20200101T193420_D001  CS_OFFL_SIR_LRM_1B_20200101T193020_20200101T193420_D001  CS_OFFL_SIR_LRM_1B_20200101T193754_20200101T193810_D001  CS_OFFL_SIR_LRM_1B_20200101T193754_20200101T193810_D001  CS_OFFL_SIR_LRM_1B_20200101T193949_20200101T193810_D001  CS_OFFL_SIR_LRM_1B_20200101T193949_20200101T19522T_D001  CS_OFFL_SIR_LRM_1B_20200101T194923_20200101T19522T_D001  CS_OFFL_SIR_LRM_1B_20200101T201030_20200101T204411_D001  CS_OFFL_SIR_LRM_1B_20200101T2119492_20200101T212620_D001  CS_OFFL_SIR_LRM_1B_20200101T212745_20200101T212620_D001  CS_OFFL_SIR_LRM_1B_20200101T212745_20200101T212754_D001  CS_OFFL_SIR_LRM_1B_20200101T212802_20200101T2942_D001  CS_OFFL_SIR_LRM_1B_20200101T223055_20200101T223508_D001  CS_OFFL_SIR_LRM_1B_20200101T232642_20200101T232644_D001  CS_OFFL_SIR_LRM_1B_20200101T232646_20200101T232751_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for on | CS_OFFL_SIR_LRM_1B_20200101T165818_20200101T172539_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20200101T1810742_20200101T181002_D001  CS_OFFL_SIR_LRM_1B_20200101T181049_20200101T181537_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193020_20200101T193420_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193754_20200101T193810_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193949_20200101T194531_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T194923_20200101T195227_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T20130_20200101T204411_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T211949_20200101T212620_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212745_0001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T223055_0200101T22308B_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo | CS_OFFL_SIR_LRM_1B_20200101T174043_20200101T180732_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20200101T181049_20200101T193420_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193420_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193810_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193949_20200101T194531_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T194923_20200101T195227_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T201030_20200101T204411_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T211949_20200101T212602_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212745_20200101T212754_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212802_20200101T212942_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212755_20200101T2122308_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T223268_20200101T223268_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232642_20200101T232644_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one  | CS_OFFL_SIR_LRM_1B_20200101T180737_20200101T180740_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20200101T181049_20200101T193420_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193420_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193810_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193949_20200101T194531_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T194923_20200101T195227_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T201030_20200101T204411_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T211949_20200101T212602_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212745_20200101T212754_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212802_20200101T212942_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212755_20200101T2122308_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T223268_20200101T223268_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232642_20200101T232644_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one  |   | Loss of echo |   |
| CS_OFFL_SIR_LRM_1B_20200101T193020_20200101T193810_D001  CS_OFFL_SIR_LRM_1B_20200101T193754_20200101T193810_D001  CS_OFFL_SIR_LRM_1B_20200101T193949_20200101T194531_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193949_20200101T194531_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T194923_20200101T195227_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T201030_20200101T204411_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T211949_20200101T212040_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212745_20200101T212754_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212802_20200101T212942_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212802_20200101T212942_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T223055_20200101T22308_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232658_20200101T232638_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232642_20200101T232644_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232644_20200101T232715_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  T |   |              | · ·   |
| CS_OFFL_SIR_LRM_1B_20200101T193754_20200101T193810_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T193949_20200101T195227_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T201030_20200101T195227_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T201030_20200101T204411_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T211949_20200101T212620_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212754_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212754_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212802_20200101T212942_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T223755_20200101T22308_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232608_20200101T232638_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232608_20200101T232638_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232604_20200101T232644_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232646_20200101T232644_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records   |   |              |   |
| CS_OFFL_SIR_LRM_1B_20200101T193949_20200101T194531_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T201030_20200101T204411_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T211949_20200101T212620_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212745_20200101T212620_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212745_20200101T212754_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212802_20200101T212942_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T221757_20200101T222308_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T223055_20200101T223508_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232608_20200101T232638_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232642_20200101T232644_D001 Loss of echo The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232642_20200101T232644_D001 Loss of echo The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232646_20200101T232715_D001 Loss of echo The tracking echo is missing for one or more records  |   |              |   |
| CS_OFFL_SIR_LRM_1B_20200101T194923_20200101T195227_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T201030_20200101T204411_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T211949_20200101T212620_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212745_20200101T212754_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212802_20200101T212942_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T221757_20200101T222308_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T223055_20200101T223508_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232608_20200101T232638_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232642_20200101T232644_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232642_20200101T232644_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records   | CS_OFFL_SIR_LRM_1B_20200101T193754_20200101T193810_D001 |              | I ne tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200101T201030_20200101T204411_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T211949_20200101T212620_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212745_20200101T212754_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T212802_20200101T212942_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T221757_20200101T222308_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T223055_20200101T223508_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232608_20200101T232638_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232642_20200101T232644_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records   | CS_OFFL_SIR_LRM_1B_20200101T193949_20200101T194531_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20200101T211949_20200101T212620_D001  Loss of echo  The tracking echo is missing for one or more records  | CS_OFFL_SIR_LRM_1B_20200101T194923_20200101T195227_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20200101T212745_20200101T212754_D001  Loss of echo  The tracking echo is missing for one or more records  | CS_OFFL_SIR_LRM_1B_20200101T201030_20200101T204411_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20200101T212745_20200101T212754_D001  Loss of echo  The tracking echo is missing for one or more records  | CS_OFFL_SIR_LRM_1B_20200101T211949 20200101T212620 D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20200101T212802_20200101T212942_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  |   |              |   |
| CS_OFFL_SIR_LRM_1B_20200101T221757_20200101T222308_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T223055_20200101T223508_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232608_20200101T232638_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232642_20200101T232644_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232646_20200101T232715_D001  Loss of echo  The tracking echo is missing for one or more records  |   |              |   |
| CS_OFFL_SIR_LRM_1B_20200101T223055_20200101T223508_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232608_20200101T232638_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232642_20200101T232644_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  |   |              |   |
| CS_OFFL_SIR_LRM_1B_20200101T232608_20200101T232638_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232642_20200101T232644_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200101T232646_20200101T232715_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  |   |              | I he tracking echo is missing for one or more records |
| CS_OFFL_SIR_LRM_1B_20200101T232642_20200101T232644_D001 Loss of echo  The tracking echo is missing for one or more records  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records   | CS_OFFL_SIR_LRM_1B_20200101T223055_20200101T223508_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20200101T232646_20200101T232715_D001 Loss of echo The tracking echo is missing for one or more records  | CS_OFFL_SIR_LRM_1B_20200101T232608_20200101T232638_D001 | Loss of echo | The tracking echo is missing for one or more records  |
| CS_OFFL_SIR_LRM_1B_20200101T232646_20200101T232715_D001 Loss of echo The tracking echo is missing for one or more records  | CS_OFFL_SIR_LRM_1B_20200101T232642_20200101T232644_D001 | Loss of echo | The tracking echo is missing for one or more records  |
|  | CS_OFFL_SIR_LRM_1B_20200101T232646_20200101T232715_D001 | Loss of echo | The tracking echo is missing for one or more records  |
|  |   |              |   |
|  |   |              | <u> </u>  |

# 4.5 L1B Calibration Usage Check

#### 4.6 L1B Auxilary Data File Usage Check

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

Number of products with errors:

#### 4.7 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag (field 54) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

### 4.8 L1B Measurement Confidence Data Check

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

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

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

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

Number of products with errors:

## 5. Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

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

Number of products with errors:

### 5.2 L2 Product Header Analysis

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

Number of products with errors:

Ο

#### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

### 5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

### 5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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

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

Number of products with errors:

51

| Product   | Test Failed   | Description  |
|---|---|--|
| CS_OFFL_SIR_LRM_220200101T002232_20200101T003109_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_220200101T003551_20200101T003658_D001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                          | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220200101T003702_20200101T005321_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_220200101T011026_20200101T012411_D001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                          | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220200101T012657_20200101T013957_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_220200101T020037_20200101T020314_D001 | Surface Model Unavailable   | No DEM or Slope Model was used for the location of one or more records   |
| CS_OFFL_SIR_LRM_220200101T020552_20200101T021610_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_220200101T021750_20200101T023200_D001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                          | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220200101T025210_20200101T030200_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_220200101T030455_20200101T031002_D001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                          | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220200101T034849_20200101T041117_D001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)                          | There is a height and backscatter error for Retracker 2 for one or more records                                    |

| CS_OFFL_SIR_LRM_220200101T042537_20200101T045357_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_20200101T051702_20200101T052225_D001 | Surface Model Unavailable  | No DEM or Slope Model was used for the location of one or more records  |
| CS_OFFL_SIR_LRM_220200101T052527_20200101T055029_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_220200101T060549_20200101T063830_D001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records   |
| CS_OFFL_SIR_LRM_2_20200101T070053_20200101T070055_D001 | Surface Model Unavailable  | No DEM or Slope Model was used for the location of one or more records  |
| CS_OFFL_SIR_LRM_220200101T070701_20200101T071951_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_220200101T074519_20200101T081758_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_2_20200101T083127_20200101T083223_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_20200101T085342_20200101T085531_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_20200101T085647_20200101T090738_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_220200101T092403_20200101T094550_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_220200101T094834_20200101T095807_D001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records   |
| CS_OFFL_SIR_LRM_2_20200101T102827_20200101T104700_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_220200101T110339_20200101T113633_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_20200101T115227_20200101T121130_D001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records   |
| CS_OFFL_SIR_LRM_2_20200101T121149_20200101T122439_D001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records   |
| CS_OFFL_SIR_LRM_220200101T124249_20200101T125811_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_220200101T130014_20200101T130952_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_220200101T133209_20200101T133511_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_20200101T133524_20200101T134850_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_20200101T142222_20200101T143638_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_220200101T144743_20200101T144926_D001  | Surface Model Unavailable  | No DEM or Slope Model was used for the location of one or more records  |
| CS_OFFL_SIR_LRM_220200101T144939_20200101T144941_D001  | Surface Model Unavailable  | No DEM or Slope Model was used for the location of one or more records  |
| CS_OFFL_SIR_LRM_220200101T145336_20200101T145406_D001  | Surface Model Unavailable  | No DEM or Slope Model was used for the location of one or more records  |
| CS_OFFL_SIR_LRM_2_20200101T151528_20200101T152055_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_20200101T152339_20200101T154718_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_220200101T160127_20200101T162642_D001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records   |
| CS_OFFL_SIR_LRM_2_20200101T165818_20200101T172539_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_20200101T174043_20200101T180732_D001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records   |
| CS_OFFL_SIR_LRM_2_20200101T183315_20200101T190426_D001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records   |
| CS_OFFL_SIR_LRM_220200101T201030_20200101T204411_D001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2), Surface Model<br>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_220200101T210036_20200101T211715_D001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records   |
| CS_OFFL_SIR_LRM_220200101T214915_20200101T221746_D001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records   |
| CS_OFFL_SIR_LRM_2_20200101T221757_20200101T222308_D001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records   |
| CS_OFFL_SIR_LRM_220200101T223949_20200101T230435_D001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2)   | There is a height and backscatter error for Retracker 2 for one or more records   |

|  | ,  | There is a height and backscatter error for Retracker 2 for one or more records                                    |
|--|--|--|
| CS_OFFL_SIR_LRM_2_20200101T233236_20200101T234429_D001 | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220200101T234501_20200101T234811_D001  |  | 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_220200101T235028_20200101T235538_D001  | Height Error (Retracker 2), Backscatter<br>Error (Retracker 2) | There is a height and backscatter error for Retracker 2 for one or more records                                    |
| CS_OFFL_SIR_LRM_220200101T235613_20200102T000225_D001  |  | There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records |