

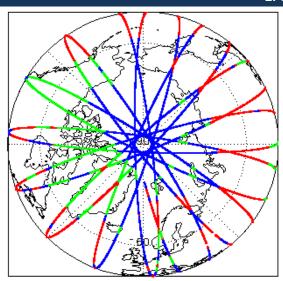
## 1. Overview

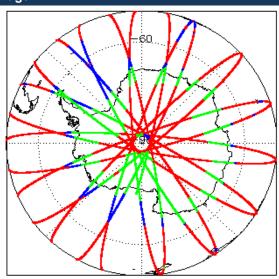
Report Production Date:	25-Mar-2021			
Processor Used:	CryoSat Ice Processor			
Data Used:	L1B and L2 OFFLINE Data			

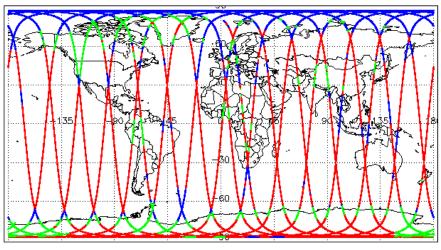
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check	See Section 4.5
L1B & L2 Auxiliary Data File Usage Check	Nominal
L1B & L2 Auxiliary Correction Error Check	Nominal
L1B & L2 Measurement Confidence Data Check	See Section 4.8 and 5.5
QCC Errors/ Warnings	See Section 6.1, 6.2 and 6.3

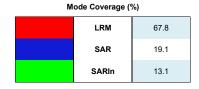
Mission / Instrument News					
23-Feb-2021	None				
24-Feb-2021	None				
25-Feb-2021	Nothing planned				

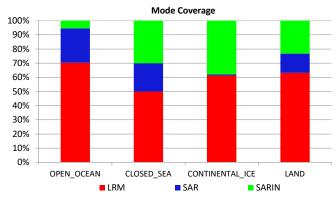
# 2. Global Coverage

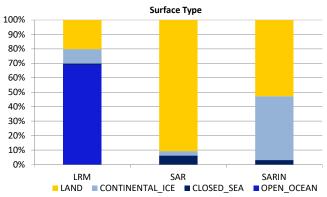












### 3. Instrument Configuration

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.

Number of products with errors:

Λ

#### 4.3 Star Tracker Usage Check

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

Number of products with errors:

0

### 4.4 L1B Tracking Flags Check

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

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

lumber of products with errors: 1

Co. OPT. S. P.L. M. 18. 2011/224710018   2011/2247101920   1001	Product	Test Failed	Description
C8_OFF_SR_LRM_18_202102241019125_20210224101928_D001	CS_OFFL_SIR_LRM_1B_20210224T003116_20210224T003803_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_2010024101234_20102241013538_0001  CS_OFFL_SIR_LRM_18_2010024102438_2010224102397_0001  CS_OFFL_SIR_LRM_18_20100241023950_2010224102397_0001  CS_OFFL_SIR_LRM_18_20100241023950_2010224102397_0001  CS_OFFL_SIR_LRM_18_20100241023950_2010224102390_0001  CS_OFFL_SIR_LRM_18_20100241023900_2010224102390_0001  CS_OFFL_SIR_LRM_18_20100241023900_20102241031430_0001  CS_OFFL_SIR_LRM_18_2010024103390_20102241031430_0001  CS_OFFL_SIR_LRM_18_2010024103390_20102241031430_0001  CS_OFFL_SIR_LRM_18_2010224103390_20102241031430_0001  CS_OFFL_SIR_LRM_18_2010224103490_20102241031430_0001  CS_OFFL_SIR_LRM_18_2010224103490_2010224103490_0001  CS_OFFL_SIR_LRM_18_20102241041905_2010224104197_0001  CS_OFFL_SIR_LRM_18_2010224104197_20102241041740_0001  CS_OFFL_SIR_LRM_18_2010224104197_20102241041740_0001  CS_OFFL_SIR_LRM_18_2010224104197_20102241041740_0001  CS_OFFL_SIR_LRM_18_2010224104197_20102241041740_0001  CS_OFFL_SIR_LRM_18_2010224104197_20102241041740_0001  CS_OFFL_SIR_LRM_18_2010224104197_20102241041740_0001  CS_OFFL_SIR_LRM_18_2010224104197_20102241041740_0001  CS_OFFL_SIR_LRM_18_2010224104197_20102241041740_0001  CS_OFFL_SIR_LRM_18_2010224104197_20102241041740_0001  CS_OFFL_SIR_LRM_18_2010224104197_2010224104190_0001  CS_OFFL_SIR_LRM_18_2010224104197_2010224104190_0001  CS_OFFL_SIR_LRM_18_2010224104197_2010224104190_0001  CS_OFFL_SIR_LRM_18_2010224104205_2010224104200_0001  CS_OFFL_SIR_LRM_18_2010224104205_2010224104200_0001  CS_OFFL_SIR_LRM_18_2010224104205_2010224104205_0001  CS_OFFL_SIR_LRM_18_2010224104205_2010224104205_0001  CS_OFFL_SIR_LRM_18_2010224104205_2010224104205_0001  CS_OFFL_SIR_LRM_18_2010224104205_2010224104205_0001  CS_OFFL_SIR_LRM_18_2010224104205_2010224104205_0001  CS_OFFL_SIR_LRM_18_2010224104205_2010224104205_0001  CS_OFFL_SIR_LRM_18_2010224104205_2010224104205_0001  CS_OFFL_SIR_LRM_18_2010224104205_2010224104205_0001  CS_OFFL_SIR_LRM_18_2010224104205_2010224104205_0001  CS_OFFL_SIR_LRM_18_2010224104205_201024104205_0001  CS_OFFL_SIR_LRM_18_2010224104205_201024104205_0001  CS_OFFL_SIR_L	CS_OFFL_SIR_LRM_1B_20210224T003929_20210224T004121_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LINA_18_20210224T03428_20210224T03438_0001  CS_OFFL_SIR_LINA_18_20210224T02399_20210224T023919_D001  CS_OFFL_SIR_LINA_18_20210224T023909_20210224T023919_D001  CS_OFFL_SIR_LINA_18_20210224T023909_20210224T023919_D001  CS_OFFL_SIR_LINA_18_20210224T023909_20210224T023919_D001  CS_OFFL_SIR_LINA_18_20210224T039399_20210224T031438_D001  CS_OFFL_SIR_LINA_18_20210224T039399_20210224T031438_D001  CS_OFFL_SIR_LINA_18_20210224T039398_20210224T031438_D001  CS_OFFL_SIR_LINA_18_20210224T039398_20210224T031438_D001  CS_OFFL_SIR_LINA_18_20210224T031438_20210224T031438_D001  CS_OFFL_SIR_LINA_18_20210224T031438_20210224T031438_D001  CS_OFFL_SIR_LINA_18_20210224T031438_20210224T031438_D001  CS_OFFL_SIR_LINA_18_20210224T031438_20210224T031438_D001  CS_OFFL_SIR_LINA_18_20210224T031438_20210224T031438_D001  CS_OFFL_SIR_LINA_18_20210224T031438_20210224T031438_D001  CS_OFFL_SIR_LINA_18_20210224T041472_20010224T041747_D001  CS_OFFL_SIR_LINA_18_20210224T04173_20210224T041734_D001  CS_OFFL_SIR_LINA_18_20210224T04173_20210224T041734_D001  CS_OFFL_SIR_LINA_18_20210224T04173_20210224T04173_D001  CS_OFFL_SIR_LINA_18_20210224T04173_2021001410001  CS_OFFL_SIR_LINA_18_20210224T04173_20210224T04173_D001  CS_OFFL_SIR_LINA_18_20210224T04173_20210224T04173_D001  CS_OFFL_SIR_LINA_18_20210224T04173_2021001410001  CS_OFFL_SIR_LINA_18_20210224T04173_20210224T04173_D001  CS_OFFL_SIR	CS_OFFL_SIR_LRM_1B_20210224T010125_20210224T012924_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_2010024T023758_2010224T02359_D0101 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2010224T02359_2010224T02359_D0101 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2010224T02359_2010224T03597_D011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2010224T03359_2010224T03597_D010 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2010224T03359_2010224T03459_D011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2010224T03459_201021 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2010224T044565_2010224T04459_D011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2010224T044565_2010224T04477_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2010224T044727_201024270477_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2010224T044727_201024270477_1D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2010224T044727_201024270477_1D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2010224T041759_2010224T041724_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2010224T041759_2010224T041729_D0101 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2010224T044032_2010224T042031_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2010224T04403_2010224T042031_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2010224T04403_2010224T04203_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2010224T04403_20102024T04203_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2010224T04403_201	CS_OFFL_SIR_LRM_1B_20210224T012934_20210224T013538_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_2021024T023500_20210224T03907_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T030002_20210224T030350_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T0303002_20210224T0303450_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T0303602_20210224T034503_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T034503_D00101  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T034503_D00101  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T041650_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T0416727_D0010  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T041737_D0011  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T041737_D0011  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T041737_D0011  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T041737_D0011  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T041732_D0011  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T042002_20210224T04201_D0011  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T042003_20210224T04203_D0011  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T042003_20210224T04203_D0011  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T042030_20210224T04203_D0011  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T042500_2024T042500_D0011  Loss of echo The	CS_OFFL_SIR_LRM_1B_20210224T014236_20210224T014649_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SIR_LRM_IB_2021024T023009_2021024T03148_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_2021024T030318_20210224T03148_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210224T030318_20210224T03148_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_2021024T030318_20210224T034504_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210224T03338_20210224T034504_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210224T04178_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210224T04178_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210224T04178_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210224T04178_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210224T04178_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210224T04178_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210224T04178_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210224T04178_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210224T04178_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210224T04008_20210224T04001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210224T04008_20210224T04001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210224T0408_203_20210224T040421 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210224T0408_203_20210224T04043_2001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210224T0463_203_20210224T	CS_OFFL_SIR_LRM_1B_20210224T023759_20210224T023848_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210224T030213_20210224T031438_D001	CS_OFFL_SIR_LRM_1B_20210224T023850_20210224T023907_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210224T034030_201224T03430_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T034323_2010024T03450_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T041659_20210224T041717_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T041659_20210224T041717_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T041721_20210224T041717_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T041721_20210224T041724_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T041732_20210224T041724_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T041732_20210224T041920_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T041732_20210224T041920_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T041722_20210224T041920_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T041022_20210224T04201_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T04203_20210224T04204_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T04203_20210224T04204_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T04203_20210224T04203_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T04235_20210224T04235_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T04253_20210224T04235_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T05435_20210224T051832_D001  Loss of echo The track	CS_OFFL_SIR_LRM_1B_20210224T023909_20210224T023919_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T033288_20210224T034504_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T041505_20210224T041505_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T041505_20210224T041705_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T041721_20210224T041734_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T041721_20210224T041734_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T041738_20210224T041734_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T041789_20210224T041730_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T041789_20210224T04200_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042000_20210224T04200_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042000_20210224T042041_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042000_20210224T042041_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042105_20210224T04205_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042105_20210224T042210_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042105_20210224T042216_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042105_20210224T042216_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T043105_20210224T043105_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T054305_20210224T051840_D001  Loss of	CS_OFFL_SIR_LRM_1B_20210224T030213_20210224T030723_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210224T041659_20210224T041659_10001	CS_OFFL_SIR_LRM_1B_20210224T030803_20210224T031438_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210224T041655_20210224T041734_D001  CS_OFFL_SIR_LRM_18_20210224T041734_D001  CS_OFFL_SIR_LRM_18_20210224T041734_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_18_20210224T041738_20210224T041734_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T041738_20210224T041900_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T041798_20210224T041900_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T041902_20210224T042001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T041902_20210224T042031_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T042033_20210224T042031_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T042033_20210224T042045_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T04205_20210224T042045_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T04205_20210224T04218_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T042182_20210224T04218_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T042182_20210224T042182_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T064253_2010224T064061_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T064453_2010224T064338_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T064645_201024T064061_D001  Loss of	CS_OFFL_SIR_LRM_1B_20210224T032148_20210224T032403_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210224T041721_20210224T041774_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T041727_20210224T041734_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  CS_OFFL_SIR_LRM_18_20210224T041738_20210224T0419001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T04203_2001001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T04203_201001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T042045_20210224T042045_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T04205_20210224T042045_2001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T04205_20210224T042121_20001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T042452_20210224T042121_2001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T042452_20210224T04236_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T042452_20210224T045333_0010  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T042453_20210224T045333_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T051835_20210224T051832_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T051835_20210224T051842_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL	CS_OFFL_SIR_LRM_1B_20210224T033238_20210224T034504_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210224T041721_20210224T041734_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T041732_20210224T041734_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T041732_20210224T041920_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T041922_20210224T042007_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T041922_20_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T042032_20210224T042031_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T042032_20210224T042031_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T042032_20210224T042041_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T042052_20210224T042042_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T042052_20210224T042123_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T042132_20210224T042238_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T042352_20210224T042338_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T049354_20210224T045338_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T051832_20210224T051832_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T051832_20210224T051838_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T051832_20210224T051838_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T051832_20210224T054023_D001 Loss of echo The tracking echo is missing for one o	CS_OFFL_SIR_LRM_1B_20210224T041655_20210224T041657_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T041732_20210224T041734_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T041735_20210224T041734_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T041932_20210224T042007_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T041932_20210224T042007_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042032_20210224T042031_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042032_20210224T042045_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042045_20210224T042045_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T04205_20210224T042045_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T04205_20210224T042132_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T04235_20210224T04236_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T04453_20210224T045388_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T045382_20210224T045388_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051832_20210224T051832_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051832_20210224T051832_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051832_20210224T052045_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051932_20210224T052052_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T0500012_00014_Loss of echo The tracking echo is missin	CS_OFFL_SIR_LRM_1B_20210224T041659_20210224T041717_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T041738_20210224T041920_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T041922_20210224T041920_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210222T042009_20210224T042007_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T042003_20210224T042041_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T042045_20210224T042045_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T042045_20210224T042123_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T04205_20210224T042123_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T042218_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T042212_20210224T042218_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T042235_D0012424T04235_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T042453_D0012424T043534_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T043954_20210224T045383_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T051835_D001224T051835_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T051830_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T051830_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T051835_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T058352_2010224T05328_D001 Loss of echo The tracking echo is missing for one or more r	CS_OFFL_SIR_LRM_1B_20210224T041721_20210224T041724_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210224T041952_20210224T041920_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T042009_20210224T042031_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T042009_20210224T042041_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T042045_20210224T042045_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T042045_20210224T042045_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T042045_20210224T042045_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T04215_20210224T04213_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T04215_20210224T042236_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T042453_20210224T042366_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T042453_20210224T045338_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T051447_20210224T051832_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T051845_20210224T051882_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T051835_20210224T051848_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T051835_20210224T051836_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T051835_20210224T052456_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T058051_20210224T0504528_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T060015_20210224T060019_D001 Loss of echo The trackin	CS_OFFL_SIR_LRM_1B_20210224T041727_20210224T041734_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210224T042009_20210224T042001_D001	CS_OFFL_SIR_LRM_1B_20210224T041738_20210224T041754_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T04203_20210224T042041_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042045_20210224T042045_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042045_20210224T042123_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T0422152_202102224T042123_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042152_20210224T04218_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042213_20210224T042218_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T04235_20210224T043601_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T043954_20210224T04391_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051433_20210224T051832_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T051832_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T051848_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T051848_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051832_20210224T052405_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051832_20210224T052405_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T05428_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T054051_20210224T054228_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060051_20210224T060014_D001 Loss of echo The tracking echo is missing	CS_OFFL_SIR_LRM_1B_20210224T041759_20210224T041920_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T042033_20210224T042045_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042050_20210224T042123_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042152_20210224T042123_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042212_D0210224T042218_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T04223_D0210224T042236_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T043954_20210224T045338_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T043954_20210224T054338_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T054335_20210224T054338_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T051832_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T05183D_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T051929_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T0524051051001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051932_20210224T05240541054001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T054051_20210224T054228_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T05051_20210224T060019_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060012_20210224T060014_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060015_20210224T060014_D001 Loss of echo The tr	CS_OFFL_SIR_LRM_1B_20210224T041922_20210224T042007_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T042045_20210224T042045_0001  CS_OFFL_SIR_LRM_1B_20210224T042050_20210224T042218_0001  CS_OFFL_SIR_LRM_1B_20210224T042152_20210224T042218_0001  CS_OFFL_SIR_LRM_1B_20210224T04221_20210224T042236_0001  CS_OFFL_SIR_LRM_1B_20210224T042221_20210224T042236_0001  CS_OFFL_SIR_LRM_1B_20210224T042235_20210224T0423601_0001  CS_OFFL_SIR_LRM_1B_20210224T042453_20210224T043601_0001  CS_OFFL_SIR_LRM_1B_20210224T043954_20210224T043638_0001  CS_OFFL_SIR_LRM_1B_20210224T043954_20210224T04338_0001  CS_OFFL_SIR_LRM_1B_20210224T051447_20210224T051832_0001  CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T051832_0001  CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T051834_0001  CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T051834_0001  CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T051834_0001  CS_OFFL_SIR_LRM_1B_20210224T051833_20210224T051832_0001  CS_OFFL_SIR_LRM_1B_20210224T051833_20210224T051832_0001  CS_OFFL_SIR_LRM_1B_20210224T051833_20210224T051832_0001  CS_OFFL_SIR_LRM_1B_20210224T051833_20210224T051832_0001  CS_OFFL_SIR_LRM_1B_20210224T051833_20210224T051832_0001  CS_OFFL_SIR_LRM_1B_20210224T051833_20210224T051832_0001  CS_OFFL_SIR_LRM_1B_20210224T052632_20210224T0526045_0001  CS_OFFL_SIR_LRM_1B_20210224T052632_20210224T0526045_0001  CS_OFFL_SIR_LRM_1B_20210224T052632_20210224T0526045_0001  CS_OFFL_SIR_LRM_1B_20210224T0565532_20210224T053032_0001  CS_OFFL_SIR_LRM_1B_20210224T056051_20210224T0560332_0001  CS_OFFL_SIR_LRM_1B_20210224T05605352_20210224T0503032_0001  CS_OFFL_SIR_LRM_1B_20210224T060021_20210224T060023_0001  CS_OFFL_SIR_LRM_1B_20210224T060001_20210224T060033_0001  CS_OFFL_SIR_LRM_1B_20210224T060011_20210224T060033_0001  CS_OFFL_SIR_LRM_1B_20210224T0600150_20210224T060034_0001  CS_OFFL_SIR_LRM_1B_20210224T0600150_20210224T060034_0001  CS_OFFL_SIR_LRM_1B_20210224T0600150_20210224T060034_0001  CS_OFFL_SIR_LRM_1B_20210224T0600150_20210224T060034_0001  CS_OFFL_SIR_LRM_1B_20210224T0600150_20210224T060034_0001  CS_OFFL_SIR_LRM_1B_20210224T0600150_20210224T060034_0001  CS_OFFL_SIR_LRM_1B_20210224T0600150_20	CS_OFFL_SIR_LRM_1B_20210224T042009_20210224T042031_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T042050_20210224T04213_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042152_20210224T042218_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042221_20210224T042236_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T042453_20210224T045338_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T043954_20210224T045338_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051447_20210224T051832_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T051848_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051853_20210224T051929_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051932_20210224T051929_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T052832_20210224T052845_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T052652_20210224T053928_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T054051_20210224T050019_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060021_20210224T0600114_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060101_20210224T060114_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060101_20210224T060114_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 track	CS_OFFL_SIR_LRM_1B_20210224T042033_20210224T042041_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210224T042152_20210224T042218_D001  CS_OFFL_SIR_LRM_18_20210224T04224T_20210224T043601_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing	CS_OFFL_SIR_LRM_1B_20210224T042045_20210224T042045_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210224T042221_20210224T043601_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T043954_20210224T045338_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T051447_20210224T051832_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T051447_20210224T051832_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T051835_20210224T051848_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T051835_20210224T051848_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T051835_20210224T051929_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T051932_20210224T052107_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T052632_20210224T052645_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T052652_20210224T052645_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T054051_20210224T054228_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T060012_20210224T060019_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T060012_20210224T060014T_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T060117_20210224T060114_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T060115_20210224T060114_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T060115_20210224T060114_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T060150_20210224T0601534_D001 Loss of echo The tra	CS_OFFL_SIR_LRM_1B_20210224T042050_20210224T042123_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T043954_20210224T043985_20010 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051447_20210224T051832_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051447_20210224T051832_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T051848_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051853_20210224T051929_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051932_20210224T052107_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T052632_20210224T052045_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T052632_20210224T052645_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T052652_20210224T053928_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T054021_20210224T054228_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T05040512_0210224T060023_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060021_20210224T060033_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060117_20210224T060147_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060150_20210224T060534_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 o	CS_OFFL_SIR_LRM_1B_20210224T042152_20210224T042218_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T051447_20210224T051832_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T051832_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_20210224T051835_20210224T051929_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051932_20210224T051929_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051932_20210224T052107_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T052632_20210224T052645_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T052652_20210224T053928_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_20210224T054051_20210224T054228_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T055532_20210224T060019_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060021_20210224T060023_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060111_20210224T060114_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_20210224T060117_20210224T060114_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	CS_OFFL_SIR_LRM_1B_20210224T042221_20210224T042236_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T051847_20210224T051848_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T051848_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_20210224T051932_20210224T051929_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051932_20210224T052107_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T052632_20210224T052645_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T052652_20210224T053928_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T054051_20210224T054228_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T055532_20210224T060019_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060021_20210224T060014_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060101_20210224T060114_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060117_20210224T060147_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060150_20210224T060534_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060150_20210224T060551_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_20210224T060556_D0010  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_20210224T042453_20210224T043601_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T051835_20210224T051848_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051853_20210224T051929_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051932_20210224T052107_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T052632_20210224T052645_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T052652_20210224T053928_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T054051_20210224T054228_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T055532_20210224T060019_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060021_20210224T060023_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060011_20210224T060114_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060117_20210224T060147_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060150_20210224T060534_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060150_20210224T060534_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_20210224T060536_20210224T060534_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_20210224T043954_20210224T045338_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T051853_20210224T051929_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T051932_20210224T052645_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T052632_20210224T052645_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T052652_20210224T053928_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T054051_20210224T054228_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T055532_20210224T060019_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060021_20210224T060023_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060101_20210224T060114_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060117_20210224T060147_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060150_20210224T060534_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T0605636_20210224T060551_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_20210224T060566_20210224T060551_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210224T051447_20210224T051832_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T051932_20210224T052645_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T052632_20210224T052645_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T052652_20210224T053928_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T054051_20210224T054228_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T055532_20210224T060019_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060021_20210224T060023_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T06011_20210224T060114_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060117_20210224T060147_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060150_20210224T060534_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T060150_20210224T060551_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_20210224T051835_20210224T051848_D001	Loss of echo	The tracking echo is missing for one or more records
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	CS_OFFL_SIR_LRM_1B_20210224T060554_20210224T060557_D001	Loss of echo	The tracking echo is missing for one or more records

Company   Comp	CS_OFFL_SIR_LRM_1B_20210224T060602_20210224T060608_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_CPF_SIR_LEM_18_2021024T09588_2021024T10542_D001  CS_CPF_SIR_LEM_18_2021024T10542_2021024T10542_D001  Loss of erbo  The tracking act to a missing for one or more records  CS_CPF_SIR_LEM_18_2021024T10542_2021024T10542_D001  Loss of erbo  The tracking act to a missing for one or more records  CS_CPF_SIR_LEM_18_2021024T10542_202024T10542_D001  Loss of erbo  The tracking act to a missing for one or more records  CS_CPF_SIR_LEM_18_2021024T10542_202024T10542_D001  Loss of erbo  CS_CPF_SIR_LEM_18_2021024T10542_D001024T10542_D001  Loss of erbo  The tracking act to a missing for one or more records  CS_CPF_SIR_LEM_18_2021024T10542_D001024T10542_D001  Loss of erbo  The tracking act to a missing for one or more records  CS_CPF_SIR_LEM_18_2021024T110542_D001024T10542_D001  Loss of erbo  The tracking act to a missing for one or more records  CS_CPF_SIR_LEM_18_2021024T110542_D001024T10542_D001  Loss of erbo  The tracking act to a missing for one or more records  CS_CPF_SIR_LEM_18_2021024T110542_D001024T10540_D001  Loss of erbo  The tracking act to a missing for one or more records  CS_CPF_SIR_LEM_18_2021024T110542_D001024T10540_D001  Loss of erbo  The tracking act to a missing for one or more records  CS_CPF_SIR_LEM_18_2021024T10540_D001024T10540_D001  Loss of erbo  The tracking act to a missing for one or more records  CS_CPF_SIR_LEM_18_2021024T10540_D001024T10540_D001  Loss of erbo  The tracking act to a missing for one or more records  The tracking act to a missing for one or more records  CS_CPF_SIR_LEM_18_2021024T10540_D001024T10540_D001  Loss of erbo  The tracking act to a missing for one or more records  CS_CPF_SIR_LEM_18_2021024T10540_D0010  Loss of erbo  The tracking act to a missing for one or more records  CS_CPF_SIR_LEM_18_2021024T10540_D0010  Loss of erbo  The tracking act to a missing for one or more records  CS_CPF_SIR_LEM_18_2021024T10540_D0010  Loss of erbo  The tracking act to a missing for one or more records  CS_CPF_SIR_LEM_18_2021024T10540_D0010  Loss of erbo  The tracking act to a missing for one or m			·
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CS_OFFL_SRL_INL_18_20010224110321_200102241110020_D011  CS_OFFL_SRL_INL_18_20010224110321_200102241110020_D011  CS_OFFL_SRL_INL_18_200102241110321_20010241110320_D011  CS_OFFL_SRL_INL_18_2001022411111032_200102411110321_D011  CS_OFFL_SRL_INL_18_20010224111111032_200102241110321_D011  CS_OFFL_SRL_INL_18_200102241111111032_200102411110321_D011  CS_OFFL_SRL_INL_18_20010224111111032_200102411110321_D011  CS_OFFL_SRL_INL_18_20010224111111032_200102411110321_D011  CS_OFFL_SRL_INL_18_2001022411110321_200102411103001_D011  CS_OFFL_SRL_INL_18_200102241110302_200102411103001_D011  CS_OFFL_SRL_INL_18_200102241110301_200102411103001_D011  CS_OFFL_SRL_INL_18_20010224110301_200102411103001_D011  CS_OFFL_SRL_INL_18_20010224110301_200102411103001_D011  CS_OFFL_SRL_INL_18_20010224110301_200102411103001_D011  CS_OFFL_SRL_INL_18_20010224110301_200102411103001_D011  CS_OFFL_SRL_INL_18_20010224110301_200102411103001_D011  CS_OFFL_SRL_INL_18_20010224110301_20010241103001_D011  CS_OFFL_SRL_INL_18_20010224110301_20010241103001_D011  CS_OFFL_SRL_INL_18_20010224110301_20010241103001_D011  CS_OFFL_SRL_INL_18_200102241103001_20010241103001_D011  CS_OFFL_SRL_INL_18_200102241103001_20010241103001_D011  CS_OFFL_SRL_INL_18_200102241103001_20010241103001_D011  CS_OFFL_SRL_INL_18_200102241103001_20010241103001_D011  CS_OFFL_SRL_INL_18_200102241103001_20010241103001_D011  CS_OFFL_SRL_INL_18_200102241103001_20010241103001_D011  CS_OFFL_SRL_INL_18_200102241103001_20010241103001_D011  CS_OFFL_SRL_INL_18_200102241103001_20010241103001_D011  CS_OFFL_SRL_INL_18_200102241103001_20010241103001_D011  CS_OFFL_SRL_INL_18_200102241103001_D011001_Cost of chick  CS_OFFL_SRL_INL_18_200102241103001_D011001_Cost of chick			
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CS_OFF_SR_LRM_18_202102247111002_20110224711277_D001  Loss of exhalo  The tracking exhalo is missing for one or more records  CS_OFF_SR_LRM_18_20210224713727_20110224712901_D001  Loss of exhalo  CS_OFF_SR_LRM_18_20210224713727_20110224712901_D001  Loss of exhalo  The tracking exhalo is missing for one or more records  CS_OFF_SR_LRM_18_20210224712902_20110224712902_D001  Loss of exhalo  The tracking exhalo is missing for one or more records  CS_OFF_SR_LRM_18_20210224712942_20120224713902_D001  Loss of exhalo  CS_OFF_SR_LRM_18_20210224712942_20120224713902_D001  Loss of exhalo  The tracking exhalo is missing for one or more records  CS_OFF_SR_LRM_18_20210224712922_20110224713902_D001  Loss of exhalo  The tracking exhalo is missing for one or more records  CS_OFF_SR_LRM_18_20210224712922_20110224713902_D001  Loss of exhalo  The tracking exhalo is missing for one or more records  CS_OFF_SR_LRM_18_20210224712922_20110224713902_D001  Loss of exhalo  The tracking exhalo is missing for one or more records  CS_OFF_SR_LRM_18_20210224713902_20110224713909_D001  Loss of exhalo  The tracking exhalo is missing for one or more records  CS_OFF_SR_LRM_18_20210224713909_20110224713909_D001  Loss of exhalo  The tracking exhalo is missing for one or more records  CS_OFF_SR_LRM_18_20210224713909_20110224714909_D001  Loss of exhalo  The tracking exhalo is missing for one or more records  CS_OFF_SR_LRM_18_20210224713909_20110224714909_D001  Loss of exhalo  The tracking exhalo is missing for one or more records  CS_OFF_SR_LRM_18_20210224715909_20110224714909_D001  Loss of exhalo  The tracking exhalo is missing for one or more records  CS_OFF_SR_LRM_18_20210224715909_20110224715909_D001  Loss of exhalo  The tracking exhalo is missing for one or more records  CS_OFF_SR_LRM_18_20210224715909_20110224715909_D001  Loss of exhalo  The tracking exhalo is missing for one or more records  CS_OFF_SR_LRM_18_20210224715909_20110224715909_D001  Loss of exhalo  The tracking exhalo is missing for one or more records  CS_OFF_SR_LRM_18_20210224715909_			
CS_OFF_SR_LRM_18_202102217317317_2010221713174_D001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_20210221732217_2010_D012717374_D001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_2021022173217_2010_D012717374_D001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_20210221731213_D012022173174_D001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_20210221731213_D0120221731920_D001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202102217313023_D0120221731930_D001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_20210221731930_D012021731930_D001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_20210221731930_D012021731930_D01001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_2021022173930_D01202173930_D01001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_2021022173930_D01001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_2021022173930_D01001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_2021022173930_D01001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_2021022173930_D0101 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_2021022173930_D0101 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_2021022173930_D0101 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_2021022173930_D0101 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_2021022173930_D0101 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_2021022173930_D0101 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202102217315300_D01			
CS_OFFL_SIR_LRM_1B_2021024T13317_2021024T13326_2010024T13326_0001  CS_OFFL_SIR_LRM_1B_2021024T13256_2010224T1374B_0.001  CS_OFFL_SIR_LRM_1B_2021024T131244_20210224T13114_0.001  CS_OFFL_SIR_LRM_1B_20210224T1313_2010224T13318_0001  CS_OFFL_SIR_LRM_1B_20210224T1313_2010224T13318_0001  CS_OFFL_SIR_LRM_1B_20210224T13318_2010224T13318_0001  CS_OFFL_SIR_LRM_1B_20210224T13318_00010224T13589_0001  CS_OFFL_SIR_LRM_1B_20210224T13598_00010224T13598_0001  CS_OFFL_SIR_LRM_1B_20210224T13598_00010224T13598_0001  CS_OFFL_SIR_LRM_1B_20210224T13598_00010224T13598_0001  CS_OFFL_SIR_LRM_1B_20210224T13598_00010224T13598_0001  CS_OFFL_SIR_LRM_1B_20210224T13598_00010224T13598_0001  CS_OFFL_SIR_LRM_1B_20210224T13598_00010224T13598_0001  CS_OFFL_SIR_LRM_1B_20210224T13599_00010224T13599_0001  CS_OFFL_SIR_LRM_1B_20210224T13599_00010224T13599_0001  CS_OFFL_SIR_LRM_1B_20210224T13599_00010224T13599_0001  CS_OFFL_SIR_LRM_1B_20210224T13599_00010224T13599_0001  CS_OFFL_SIR_LRM_1B_20210224T1599_0001  CS_OFFL_SIR_LRM_1B_20210224T15990_0001  CS_OFFL_SIR_LRM_1B_20210224T15990_0001  CS_OFFL_SI			
CS_OFF_SIR_LRM_18_2021024T12805_2021024T12805_2010024T12805_001024T128			
CS_OFFL_SIR_LRM_18_20210224T15424_20210224T15475_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15893_20210224T15893_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15893_20210224T15893_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15893_20210224T15893_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15894_20210224T15895_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15944_20210224T15896_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15954_20210224T16900_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T159327_20210224T15902_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15902_20210224T15902_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15902_20210224T15909_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15902_20210224T15909_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15902_20210224T15909_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15902_20210224T15903_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15905_20210224T15903_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15905_20210224T15905_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15905_20210224T15905_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15905_20210224T15905_0001  Loss of exho  The trac			·
CS_OFFL_SIR_LRM_18_20210224T135243_20210224T135032_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T135032_20210224T135032_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T135032_20210224T135032_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T135032_20210224T135034_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T135032_20210224T135034_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T135032_20210224T135030_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T135032_20210224T145030_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T135032_20210224T15303_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15303_20210224T1530_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T1530_20210224T1530_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T1530_20210224T1530_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T1530_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T1530_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T1530_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T1530_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T1530_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T1530_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T1530_0001 Loss of echo The tracking echo is mis			
CS_OFFL_SIR_LRM_18_20210224T139383_20210224T139393_L0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T139393_20210224T139393_L0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T139393_20210224T139394_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T139394_20210224T139399_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T139993_20210224T13999_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T139993_20210224T15990_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T159057_20210224T15902_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T159057_20210224T15903_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T159057_20210224T15903_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T159305_20210224T15900_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T159305_20210224T15910_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T159305_20210224T15910_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T159303_20210224T159300_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T159303_20210224T159303_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T159303_20210224T159303_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T159303_20210224T159303_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T159303_20210224T159303_D001 Loss of echo The tracking echo is missing fo			
CS_OFF_SIR_LRM_IB_20210224T139023_20210224T139924_0001  CS_OFF_SIR_LRM_IB_20210224T139028_20210224T139924_0001  CS_OFF_SIR_LRM_IB_20210224T139082_20210224T139924_0001  CS_OFF_SIR_LRM_IB_20210224T139092_20210224T139095_0001  CS_OFF_SIR_LRM_IB_20210224T139092_2010224T140050_0001  CS_OFF_SIR_LRM_IB_20210224T139092_2010224T140050_0001  CS_OFF_SIR_LRM_IB_20210224T139092_2010224T140050_0001  CS_OFF_SIR_LRM_IB_20210224T139092_2010224T13902_0001  CS_OFF_SIR_LRM_IB_20210224T139092_2010224T13902_0001  CS_OFF_SIR_LRM_IB_20210224T139092_2010024T13902_0001  CS_OFF_SIR_LRM_IB_20210224T139022_2010224T13902_0001  CS_OFF_SIR_LRM_IB_20210224T13902_2010024T13902_0001  CS_OFF_SIR_LRM_IB_20210224T13902_2010024T13900_0001  CS_OFF_SIR_LRM_IB_20210224T13902_2010024T13900_0001  CS_OFF_SIR_LRM_IB_20210224T13902_2010024T13900_0001  CS_OFF_SIR_LRM_IB_20210224T13902_2010024T13900_0001  CS_OFF_SIR_LRM_IB_20210224T13902_2010024T13900_0001  CS_OFF_SIR_LRM_IB_20210224T13900_2010224T13900_0001  CS_OFF_SIR_LRM_IB_20210224T13900_2010224T1390001  CS_OFF_SIR_LRM_IB_20210224T13900_2010224T13900_0001  CS_OFF_SIR_LRM_IB_20210224T13900_2010224T13900_0001  CS_OFF_SIR_LRM_IB_20210224T13900_2010224T1390001  CS_OFF_SIR_LRM_IB_20210224T13900_201024T1390001  CS_OFF_SIR_LRM_IB_20210224T13900_201024T13900001  CS_OFF_SIR_LRM_IB_20210224T13900_201024T13900001  CS_OFF_SIR_LRM_IB_20210224T13900_201024T139000001  CS_OFF_SIR_LRM_IB_20210224T13900_201024T139000000000000000000000000000000000000			
CS_OFFL_SIR_LRM_18_20210224T139088_20210224T139084_D001			
CS_OFFSIR_LRM_18_20210224T135986_20210224T13596_0001  CS_OFFSIR_LRM_18_20210224T135969_20210224T145960_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210224T135969_20210224T145467_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210224T153696_20210224T154647_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210224T151922_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210224T151922_0010201  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210224T151922_001021  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210224T15342_001024T145343_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210224T153405_20210224T153419_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210224T153717_20210224T153748_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210224T153777_20210224T153748_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210224T153783_20210224T153380_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210224T153838_20210224T153890_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210224T153898_20210224T153890_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210224T153898_20210224T153890_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210224T153998_20210224T153990_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210224T153998_20210224T153990_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210224T153993_2			
CS_OFFL_SIR_LRM_18_20210224T139594_20210224T140050_D001  CS_OFFL_SIR_LRM_18_20210224T139598_20210224T140050_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153937_20210224T15392_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153937_20210224T15392_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153937_20210224T15393_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153942_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153945_20210224T153403_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153945_20210224T153403_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153945_20210224T153403_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153973_20210224T153930_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153973_20210224T153930_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153935_20210224T153930_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153935_20210224T153930_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153938_20210224T1539313_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153938_20210224T1539313_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153938_20210224T153931_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153938_20210224T153931_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF			
CS_OFFL_SIR_LRM_18_20210224T15959_20210224T15942_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T151925_20210224T151938_2001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T151925_20210224T151938_2001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T151925_20210224T151938_2001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T151925_20210224T152110_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15345_20210224T15349_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153713_20210224T153718_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153713_20210224T153718_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153717_20210224T153718_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153839_20210224T153830_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153838_20210224T153830_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153838_202102224T153890_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T15388_202102224T153890_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153890_20210224T153990_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153980_20210224T153990_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153985_20210224T153990_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153985_20210224T153990_D001  Loss of			
CS_OFFL_SIR_LRM_1B_20210224T15982_20210224T159393_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T151925_20210224T159393_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T151942_20210224T153403_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153405_20210224T153403_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153405_20210224T153405_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153405_20210224T153405_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153747_20210224T153746_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153747_20210224T153746_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153830_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153830_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153830_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153830_00101 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153880_20210224T153800_001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153808_20210224T153801_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153808_20210224T153901_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153908_20210224T153906_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153908_20210224T153906_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T154008_20			
CS_OFFL_SIR_LRM_18_20210224T151925_20210224T15193D_001			•
CS_OFFL_SIR_LRM_18_20210224T151942_20210224T151940_0001  Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T151942_20210224T153403_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T153405_20210224T153419_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T153713_20210224T153715_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T153713_20210224T153715_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T153753_20210224T153830_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T153353_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T153383_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T153383_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T15393_00101 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T15393_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T15393_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T15393_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T15393_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T15393_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T154008_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T154008_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T154003_0010224T165001_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210224T163			
CS_OFFL_SIR_LRM_1B_20210224T1531942_20210224T153403_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153405_20210224T153419_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153713_20210224T153715_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153713_20210224T153715_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153735_20210224T153380_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153383_20210224T153830_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153838_20210224T153830_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153838_20210224T153890_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153893_20210224T153906_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153993_20210224T153991_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153935_20210224T153950_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153955_20210224T153950_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153955_20210224T153950_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T154005_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T154005_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T154005_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T154005_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T170335_			The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T153405_20210224T153419_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153717_20210224T153718_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153717_20210224T153718_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153737_20210224T153782_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153838_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153838_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153838_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153839_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153890_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153990_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153991_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153993_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153993_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153993_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153993_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T154003_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T154003_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T161205_D01021 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T161205_D01024T1760301_D00			The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T153713_20210224T153715_D001  Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153713_20210224T15383B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T153836_20210224T15383B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T15383B_20210224T15383B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T15383B_20210224T15383B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T15383B_20210224T15383B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T15393B_20210224T15393B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T15393B_20210224T15393B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T15393B_20210224T15393B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T15393B_20210224T15393B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T15393B_20210224T15393B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T15393B_20210224T15395B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T15393B_20210224T15400B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T15400B_20210224T15401B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T1640B_20210224T1650B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T1650B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210224T1650B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL		Loss of echo	
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CS_OFFL_SIR_LRM_IB_20210224T15377_20210224T15383_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T153836_20210224T153839_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T153839_20210224T153839_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T153898_20210224T153996_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T153998_20210224T153913_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T153919_20210224T153931_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T153939_20210224T153939_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T153939_20210224T153939_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T153952_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T153952_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T154008_20210224T154005_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T154008_20210224T154016_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T164008_20210224T163601_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T160503_20210224T163601_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T160503_20210224T160501  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210224T160503_20210224T160D001  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_IB_20210224T1711003	CS_OFFL_SIR_LRM_1B_20210224T153405_20210224T153419_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T153838_20210224T153830_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153838_20210224T153839_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153839_20210224T153890_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153908_20210224T153906_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153908_20210224T153913_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153991_20210224T153931_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153959_20210224T153950_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153955_20210224T153950_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T153958_20210224T153956_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T154008_20210224T154010_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T154013_20210224T154016_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T164238_20210224T163001_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T164238_20210224T163001_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T164238_20210224T17033_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T1710035_20210224T1710033_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T17110_D00101 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T171100_D0012024T171100_D001 Loss of echo The tracking echo is m	CS_OFFL_SIR_LRM_1B_20210224T153713_20210224T153715_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210224T153836_20210224T153837_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153832_20210224T153996_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153983_20210224T153913_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153993_20210224T153993_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153993_20210224T153993_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153993_20210224T153950_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153953_20210224T153956_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T153958_20210224T154005_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T154008_20210224T154016_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T154013_20210224T154016_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T161205_20210224T162650_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T162384_20210224T163601_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T162384_20210224T160330_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T1710035_20210224T171106_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210224T171110_20210224T171109_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 trac		Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20210224T164238_20210224T165741_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	CS_OFFL_SIR_LRM_1B_20210224T161205_20210224T162650_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T165933_20210224T170033_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_20210224T171109_20210224T171109_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T171111_20210224T171358_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_20210224T1711400_20210224T171551_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_20210224T163349_20210224T163601_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T171035_20210224T171106_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T171109_20210224T171109_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T171111_20210224T171358_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_20210224T164238_20210224T165741_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T171109_20210224T171109_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T171111_20210224T171358_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T171400_20210224T171551_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_20210224T165933_20210224T170033_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T171111_20210224T171358_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210224T171400_20210224T171551_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
CS_OFFL_SIR_LRM_1B_20210224T171400_20210224T171551_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210224T171109_20210224T171109_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20210224T171111_20210224T171358_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T171556_20210224T171602_D001 Loss of echo The tracking echo is missing for one or more records			
	CS_OFFL_SIR_LRM_1B_20210224T171556_20210224T171602_D001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20210224T171606_20210224T172001_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T172104_20210224T172113_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T173415_20210224T173558_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T173740_20210224T174446_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T174450_20210224T174735_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T174739_20210224T174801_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T174807_20210224T174905_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T184615_20210224T184643_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T185032_20210224T185107_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T185208_20210224T185239_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T185242_20210224T185344_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T185346_20210224T185856_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T191402_20210224T191849_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T191856_20210224T191925_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T192112_20210224T192411_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T192413_20210224T194818_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T200401_20210224T202704_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T202848_20210224T203532_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T203532_20210224T203709_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T214019_20210224T220118_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T220120_20210224T220319_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T220322_20210224T220908_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T220913_20210224T220917_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T221306_20210224T221454_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T221642_20210224T221827_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T232807_20210224T233138_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T233300_20210224T233742_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T233805_20210224T233936_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T234120_20210224T234300_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T234303_20210224T234306_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T234449_20210224T234554_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T234956_20210224T235006_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T235035_20210224T235039_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T235051_20210224T235107_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T235137_20210224T235205_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210224T235406_20210224T235424_D001	Loss of echo	The tracking echo is missing for one or more records

## 4.5 L1B Calibration Usage Check

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

Number of products with errors:

Product	Test Failed	Description	
CS_OFFL_SIR_SIN_1B_20210224T064013_20210224T064020_D001	Cal1 corr. missing	The Cal1 correction has not been applied	

## 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:

Product	Test Failed	Description
CS_OFFL_SIR_SIN_1B_20210224T064013_20210224T064020_D001	Cal1 Correction missing,	The Cal1 Correction has not been applied

## 5. Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

# 5.2 L2 Product Header Analysis

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

Number of products with errors:

#### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

#### 5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

#### 5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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

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

Number of products with errors:

CS OFFL SIR LRM 2 20210224T043954 20210224T045338 D001

CS OFFL SIR LRM 2 20210224T050912 20210224T051348 D001

CS\_OFFL\_SIR\_LRM\_2\_\_20210224T052652\_20210224T053928\_D001

CS OFFL SIR LRM 2 20210224T054051 20210224T054228 D001

Test Failed **Product** Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more CS\_OFFL\_SIR\_LRM\_2\_\_20210224T000921\_20210224T002853\_D001 Error (Retracker 2) ecords Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error CS OFFL SIR LRM 2 20210224T003116 20210224T003803 D001 (Retracker 3), Backscatter Error for Retracker 3 for one or more records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 and no DEM or CS\_OFFL\_SIR\_LRM\_2\_\_20210224T010125\_20210224T012924\_D001 Error (Retracker 2), Surface model Slope Model was used for the location of one or more records unavailable Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more CS\_OFFL\_SIR\_LRM\_2\_\_20210224T012934\_20210224T013538\_D001 Error (Retracker 2) records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more CS\_OFFL\_SIR\_LRM\_2\_20210224T014852 20210224T021643 D001 Error (Retracker 2) records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more CS\_OFFL\_SIR\_LRM\_2\_\_20210224T024257\_20210224T025802\_D001 Error (Retracker 2) records Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error CS\_OFFL\_SIR\_LRM\_2\_\_20210224T030213\_20210224T030723\_D001 (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more CS OFFL SIR LRM 2 20210224T030803 20210224T031438 D001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 for one or more CS\_OFFL\_SIR\_LRM\_2\_\_20210224T033238\_20210224T034504\_D001 records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more CS\_OFFL\_SIR\_LRM\_2\_\_20210224T034625\_20210224T035903\_D001 Error (Retracker 2) records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more CS OFFL SIR LRM 2 20210224T040003 20210224T040314 D001 Error (Retracker 2) Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error CS\_OFFL\_SIR\_LRM\_2\_\_20210224T042453\_20210224T043601\_D001 (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2)

Height Error (Retracker 2), Backscatter

Height Error (Retracker 2), Height Error

Height Error (Retracker 2), Height Error

Error (Retracker 2), Surface model

(Retracker 3), Backscatter Error

(Retracker 3), Backscatter Error

Surface Model Unavailable

unavailable

(Retracker 2)

(Retracker 2)

There is a height and backscatter error for Retracker 2 and no DEM or

There is a height and backscatter error for Retracker 2 and a height error

There is a height and backscatter error for Retracker 2 and a height error

No DEM or Slope Model was used for the location of one or more records

Slope Model was used for the location of one or more records

for Retracker 3 for one or more records

for Retracker 3 for one or more records

CS_OFFL_SIR_LRM_220210224T060602_20210224T060608_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210224T061717_20210224T063245_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_220210224T064541_20210224T071255_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_220210224T074625_20210224T080648_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_220210224T080720_20210224T081236_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_220210224T082507_20210224T085242_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_220210224T091527_20210224T092329_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210224T092354_20210224T095159_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_220210224T100439_20210224T103947_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_220210224T105249_20210224T105423_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_220210224T105911_20210224T110002_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_220210224T111842_20210224T112217_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_220210224T114416_20210224T120648_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_220210224T123127_20210224T123429_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_220210224T125046_20210224T131033_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_220210224T132313_20210224T135629_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_220210224T142137_20210224T144519_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_220210224T150327_20210224T151922_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_220210224T151942_20210224T152110_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_220210224T152552_20210224T153403_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_220210224T155346_20210224T160951_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_220210224T161205_20210224T162650_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_220210224T164238_20210224T165741_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_220210224T165933_20210224T170033_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_220210224T170035_20210224T171106_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_220210224T173415_20210224T173558_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210224T173740_20210224T174446_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_220210224T174450_20210224T174735_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_220210224T175402_20210224T180908_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_220210224T182212_20210224T184509_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_220210224T185242_20210224T185344_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210224T185346_20210224T185856_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_220210224T192112_20210224T192411_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_220210224T192413_20210224T194818_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_220210224T200401_20210224T202704_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_220210224T205954_20210224T212727_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_220210224T214019_20210224T220118_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_220210224T220120_20210224T220319_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_220210224T220913_20210224T220917_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_220210224T221642_20210224T221827_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_220210224T223142_20210224T230605_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_220210224T234449_20210224T234554_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_SIN_2_20210224T064013_20210224T064020_D001	Calibration Warning	The Calibration correction is missing or has been taken from the IPFDB instead of the Calibration products for one or more records

## 6. QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_LRM_1B	205	205	205	0	0
SIR_SAR_1B	135	135	135	0	0
SIR_SIN_1B	101	101	101	0	0
SIR_LRM_2	205	205	200	5	0
SIR_SAR_2	101	133	133	0	0
SIR_SIN_2	133	101	101	0	0
SIR_GDR_2	15	15	0	0	15

## 6.1 QCC Errors

Number of products with QCC errors:

15

Product Type	MPHDUTNCDF	MPHXPFNCDF	MPHXVFNCDF	MPHYPFNCDF	MPHYVFNCDF	MPHZPFNCDF	MPHZVFNCDF	STRUCTURESIZ EANDREAD	-	-	-
SIR_GDR_2_	15	15	15	15	15	15	15	15			
0											

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

## 6.2 QCC Warnings

Number of QCC reports with warnings

Total numb	er of	occurrences	of ea	ch warni	ng

Product Type	AXSMMEOCI	-	-	-	•	•	•
SIR_LRM_2_	5						
0							

Test Description Key:			
Abbreviation	Toot name	Detaile	
Appreviation	l est name	Details	/

AXSMMEOCI AttributeXrefSlopeModelMustExistOverContinentalIce The xref\_slope\_model is mandatory in LRM products over continental ice

## 6.2 Missing QCC Reports

Number of products with missing QCC reports:

0