

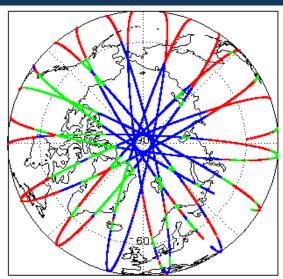
## 1. Overview

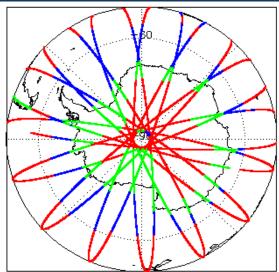
Report Production Date:	04-Dec-2020				
Processor Used:	CryoSat Ice Processor				
Data Used:	L1B and L2 OFFLINE Data				

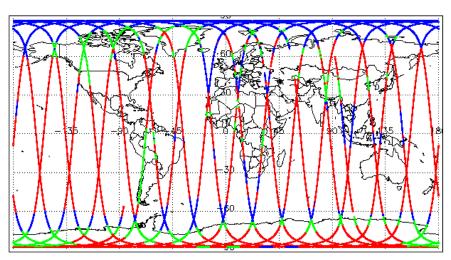
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

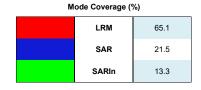
Mi	lission / Instrument News						
0	5-Nov-2020	BRAL unavailabiliity on the 05/11/2020 13:28:24 to 13:34:01 due to MMFU packet store recovery					
0	6-Nov-2020	None					
0	7-Nov-2020	Nothing planned					

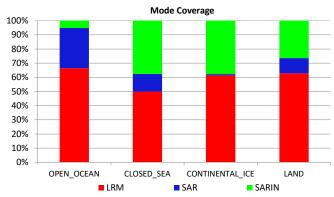
# 2. Global Coverage

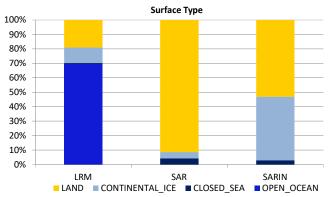












## 3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

## 4. Level 1B Data Quality Check

### 4.1 L1B Product Format Check

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

Number of products with errors:

0

### 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:

0

#### 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

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20201106T003921_20201106T004006_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T004616_20201106T004628_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T004632_20201106T004657_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T004659_20201106T004942_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T010715_20201106T011547_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T011549_20201106T011754_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T011757_20201106T014036_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T015643_20201106T022026_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T022030_20201106T022049_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T022057_20201106T022256_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T022259_20201106T022438_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T022507_20201106T022844_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T022844_20201106T023057_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T024918_20201106T025150_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T033559_20201106T034915_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T034918_20201106T035509_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T035535_20201106T035950_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T035952_20201106T040001_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T040004_20201106T040045_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T040213_20201106T040327_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T040506_20201106T040604_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T040604_20201106T040625_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T052537_20201106T052946_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T053010_20201106T053700_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T053843_20201106T054131_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T054419_20201106T054459_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T061641_20201106T063759_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T070705_20201106T071422_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T074131_20201106T081654_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T083555_20201106T084826_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T091958_20201106T092027_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T092029_20201106T092052_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T092054_20201106T092056_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T092100_20201106T092112_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T092116_20201106T092142_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T092144_20201106T092156_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T092200_20201106T092200_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T092205_20201106T092252_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T092255_20201106T092453_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T092455_20201106T092626_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T092720_20201106T093915_D001	Loss of echo	The tracking echo is missing for one or more records

Company   Comp	CS_OFFL_SIR_LRM_1B_20201106T094119_20201106T095630_D001	Loss of echo	The tracking echo is missing for one or more records
Company   Comp			
Company   Comp			·
Company   Comp			
Co. Comp.   Co.   Comp.   Co.   Comp.   Co.			·
Description			
Dec. of L. SEL, Lind, T. L., 2021 INST 11064, 2021 INST 11064, 2021 INST 12014 (1.00)			
Co. CHI. SELLUM 18. 2020 1011117404 (200110171401 2001   Loss of color   The trading date in easing fix can or more received			
Company   Comp			·
Company   Comp			
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Company   Comp			
See of early   100   1			
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CS_OFT_ERU_MAI_19_200110711495_2001108714910_0001 Loss of leafts OFT_ERU_MAI_19_20011071495_2001108714910_0001 Loss of leafts OFT_ERU_MAI_19_20011071495_2001108714900_0001 Loss of leafts OFT_ERU_MAI_19_20011071490_2001108714900_0001 Loss of leafts OFT_ERU_MAI_19_20011071490_2001108714900_0001 Loss of leafts OFT_ERU_MAI_19_20011071490_2001108714900_0001 Loss of leafts OFT_ERU_MAI_19_200110714900_0001 Loss of leafts OFT_ERU_MAI_19_200110714900_00011087149000_0001 Loss of leafts OFT_ERU_MAI_19_2001107149000_0001081149000_0001 Loss of leafts OFT_ERU_MAI_19_2001107149000_0001081149000_0001 Loss of leafts OFT_ERU_MAI_19_2001107149000_0001 Loss of leafts OFT_ERU_MAI_19_2001107149000_0001 Loss of leafts OFT_ERU_MAI_19_2001107149000_0001 Loss of leafts OFT_ERU_MAI_19_2001107149000_0001 Loss of leafts OFT_ERU_MAI_19_20011071490000_0001 Loss of leafts OFT_ERU_MAI_19_2001107149000_0001 Loss of leafts OFT_ERU_MAI_19_20011071490000000000000000000000000000000			
Co. C.   C.   C.   C.   C.   C.   C.			·
CS_OFF_UR_NUM_18_2020116T14276_2020116T14280_D001 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T14275_2020116T14280_D001 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T14275_2020116T14280_D001 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T14275_2020116T14080_D001 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T14075_2020116T14080_D001 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T14075_2020116T14080_D001 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T14075_2020116T14080_D001 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T14075_2020116T14080_D001 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T140760_202010T140760_D001 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T140760_2001001 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T140760_2001001 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T140760_200101 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T140760_200101 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T140760_200101 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T140760_200101 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T140760_200101 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T140760_200101 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T140760_200101 Los of scho The backing scho is missing for one or more meeteds CS_OFF_UR_NUM_18_2020116T140760_200101 Los of scho The backing scho is missing for one or			
See OPE, Siel, Law, IH. (9.2001 HIGH 142795, 2001 HIGH 142801, 2001 Loss of exhall process in meaning for one or more records.  Co. OFE, Siel, Law, IH. (9.2001 HIGH 142801, 2001 HIGH 142801, 2			
CS_OFFL_SRL_INL_18_20011061142812_20011061140580_0001  CS_OFFL_SRL_INL_18_2001106116052_2001106116050_0001  CS_OFFL_SRL_INL_18_2001106116052_2001106116050_0001  CS_OFFL_SRL_INL_18_2001106116052_2001106116050_0001  CS_OFFL_SRL_INL_18_2001106116052_2001106116050_0001  CS_OFFL_SRL_INL_18_2001106116052_2001106116050_00001  CS_OFFL_SRL_INL_18_2001106116052_2001106116050_00000  CS_OFFL_SRL_INL_18_2001106116052_20001106116050_00000  CS_OFFL_SRL_INL_18_20001106116052_20001106116050_00000  CS_OFFL_SRL_INL_18_20001106116052_20001106116050_00000  CS_OFFL_SRL_INL_18_20001106116052_20001106116050_00001  CS_OFFL_SRL_INL_18_20001106116052_20001106116050_0001  CS_OFFL_SRL_INL_18_20001106116052_20001106116050_0001  CS_OFFL_SRL_INL_18_20001106116052_20001106116050_0001  CS_OFFL_SRL_INL_18_20001106116052_20001106116050_0001  CS_OFFL_SRL_INL_18_20001106116052_20001106116050_0001  CS_OFFL_SRL_INL_18_20001106116052_20001106116050_0001  CS_OFFL_SRL_INL_18_20001106116052_20001106116050_0001  CS_OFFL_SRL_INL_18_20001106116052_200011061176050_0001  CS_OFFL_SRL_INL_18_20001106116052_200011061176050_0001  CS_OFFL_SRL_INL_18_200011061176050_200011061176050_0001  CS_OFFL_SRL_INL_18_200011061176050_200011061176050_0001  CS_OFFL_SRL_INL_18_200011061176050_200011061176050_0001  CS_OFFL_SRL_INL_18_200011061176050_200011061176050_0001  CS_OFFL_SRL_INL_18_200011061176050_0001  CS_OFFL_SRL_INL_18_200011061176050_0001  CS_OFFL_SRL_INL_18_200011061176050_0001  CS_OFFL_SRL_INL_18_200011061176050_0001  CS_OFFL_SRL_INL_18_200011061176050_0001  CS_OFFL_SRL_INL_18_200011061176050_0001  CS_OFFL_SRL_INL_18_200011061176050_0001  CS_OFFL_SRL_INL_18_200011061176050_0001  CS_OFFL_SRL_INL_18_200011061176050_0001  CS_OFFL_SRL_INL_18_20001106106100000_0001  CS_OFFL_SRL_INL_18_200011061061000000000000000000000000000			
CS_OFFL_SR_LRM_18_20201106116501222_202011061160050_D01			
CS_OFFL_SR_LRN_18_2001106716020_2001106716000_0001 Loss of extro  The tracking extro is missing for one or more records  CS_OFFL_SR_LRN_18_2001106710000_2001106716000_0001 Loss of extro  The tracking extro is missing for one or more records  CS_OFFL_SR_LRN_18_2001106716000_20001106716000_0001 Loss of extro  The tracking extro is missing for one or more records  CS_OFFL_SR_LRN_18_2001106716000_20001106716000_0001 Loss of extro  The tracking extro is missing for one or more records  CS_OFFL_SR_LRN_18_20001106716000_200011067162000_0001 Loss of extro  CS_OFFL_SR_LRN_18_20001106716000_200011067162000_0001  CS_OFFL_SR_LRN_18_20001106716000_200011067162000_0001  CS_OFFL_SR_LRN_18_20001106716000_200011067162000_0001  CS_OFFL_SR_LRN_18_20001106716000_200011067162000_0001  CS_OFFL_SR_LRN_18_20001106716000_200011067162000_0001  CS_OFFL_SR_LRN_18_20001106716000_200011067162000_0001  CS_OFFL_SR_LRN_18_20001106716000_20001106716000_0001  CS_OFFL_SR_LRN_18_20001106716000_20001106716000_0001  CS_OFFL_SR_LRN_18_200011067160000_20001106716000_0001  CS_OFFL_SR_LRN_18_20001106716000_2000110670000_0001  CS_OFFL_SR_LRN_18_20001106716000_2000110670000_0001  CS_OFFL_SR_LRN_18_200011067160000_20001106700000001  CS_OFFL_SR_LRN_18_200011067160000_20001106700000001  CS_OFFL_SR_LRN_18_200011067160000_200010000000000000000000000000000			
CS_OFF_SR_LRM_18_20201108T100177_20201108T180006_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SR_LRM_18_20201108T180002_20201108T180006_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SR_LRM_18_20201108T180002_20201108T182003_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SR_LRM_18_20201108T180003_20201108T182005_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SR_LRM_18_20201108T180003_20201108T182005_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SR_LRM_18_20201108T180003_20201108T182005_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SR_LRM_18_20201108T180003_20201108T182005_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SR_LRM_18_20201108T181203_20201108T18200_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SR_LRM_18_20201108T18203_20201108T18200_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SR_LRM_18_20201108T18203_20201108T18200_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SR_LRM_18_20201108T18200_20201108T180004_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SR_LRM_18_20201108T180003_20201108T180004_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SR_LRM_18_20201108T180003_20201108T180004_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SR_LRM_18_20201108T080003_20201108T080004_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SR_LRM_18_20201108T080003_20201108T080004_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SR_LRM_18_20201108T080004_20201108T080004_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SR_LRM_18_20201108T080004_20201108T080004_D001  Loss of exho  The tracking ex			·
CS_OFF_SR_LRM_18_2020110710717_20201106716928_2001001 Loss of exhall the tracking exhall as instaing for one or more records  CS_OFF_SR_LRM_18_2020110710710032_2020110710710030_D001  Loss of exhall the tracking exhall as instaing for one or more records  CS_OFF_SR_LRM_18_2020110710710033_202011071072033_D001  Loss of exhall the tracking exhall as instaing for one or more records  CS_OFF_SR_LRM_18_202011071072072_202011071072033_D001  Loss of exhall the tracking exhall as instaing for one or more records  CS_OFF_SR_LRM_18_2020110717428_2020110717420_D001  Loss of exhall the tracking exhall as instaing for one or more records  CS_OFF_SR_LRM_18_2020110717428_2020110717420_D001  Loss of exhall the tracking exhall as instaing for one or more records  CS_OFF_SR_LRM_18_2020110717428_2020110717420_D001  Loss of exhall the tracking exhall as instaing for one or more records  CS_OFF_SR_LRM_18_2020110717428_2020110717420_D001  Loss of exhall the tracking exhall as instaing for one or more records  CS_OFF_SR_LRM_18_2020110717429_2020110717420_D001  Loss of exhall the tracking exhall as instaining for one or more records  CS_OFF_SR_LRM_18_20201107174417_20201107170008_D001  Loss of exhall the tracking exhall as instaining for one or more records  CS_OFF_SR_LRM_18_20201107174417_20201107170008_D001  Loss of exhall the tracking exhall as instaining for one or more records  CS_OFF_SR_LRM_18_20201107174417_20201107170004_D001  Loss of exhall the tracking exhall as instaining for one or more records  CS_OFF_SR_LRM_18_20201107174417_20201107170004_D001  Loss of exhall the tracking exhall as instaining for one or more records  CS_OFF_SR_LRM_18_202011071707241_20201107170004_D001  Loss of exhall the tracking exhall as instaining for one or more records  CS_OFF_SR_LRM_18_20201107072412_202011071070041_D001  Loss of exhall the tracking exhall as instaining for one or more records  CS_OFF_SR_LRM_18_20201107072412_202011071070411_D001  Loss of exhall the tracking exhall as instaining for one or more records  CS_OFF_SR_LRM_18_2020110707			
CS_OFF_SR_LRM_18_20201100T100T100T2003_20201100T100T00003_20201100T100T00003_20201100T100T00003_20201100T100T00003_20201100T100003_20201100T100T00003_20201100T100003_20001100003_200011000003_200011000003_200011000003_200011000003_200011000003_200011000003_2000110000003_200011000000003_2000110000000000			
CS_OFFL_SR_LRM_1B_20201106T16203_20201106T16203_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SR_LRM_1B_20201106T16203_20201106T16203_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SR_LRM_1B_20201106T16438_20201106T164209_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SR_LRM_1B_20201106T17438_20201106T17423_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SR_LRM_1B_20201106T17423_20201106T17423_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SR_LRM_1B_20201106T174623_D001106T17423_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SR_LRM_1B_20201106T174623_D001106T17423_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SR_LRM_1B_20201106T17467_20201100T17423_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SR_LRM_1B_20201106T19047_200100T17423_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SR_LRM_1B_20201106T19042_20201106T19047_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SR_LRM_1B_20201106T19043_20201106T190447_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SR_LRM_1B_20201106T20442_20201106T19041_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SR_LRM_1B_20201106T204412_20201106T204413_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SR_LRM_1B_20201106T204412_20201106T204413_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SR_LRM_1B_20201106T204412_20201106T204415_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SR_LRM_1B_20201106T20422_20201106T204410_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SR_LRM_1B_20201106T20432_20201106T20435_D001  Loss of exho  The tracking exho i			
CS_OFFL_SIR_LRM_18_20201108T14207_20201108T14207_20201108T14205_D001  CS_OFFL_SIR_LRM_18_20201108T14207_20201108T14205_D001  CS_OFFL_SIR_LRM_18_20201108T147132_20201108T14220_D001  CS_OFFL_SIR_LRM_18_20201108T147132_20201108T147220_D001  CS_OFFL_SIR_LRM_18_20201108T14721_20201108T147220_D001  CS_OFFL_SIR_LRM_18_20201108T14721_20201108T147220_D001  CS_OFFL_SIR_LRM_18_20201108T14721_20201108T147220_D001  CS_OFFL_SIR_LRM_18_20201108T14721_20201108T147220_D001  CS_OFFL_SIR_LRM_18_20201108T147287_20201108T147220_D001  CS_OFFL_SIR_LRM_18_20201108T147287_20201108T147220_D001  CS_OFFL_SIR_LRM_18_20201108T147287_20201108T147220_D001  CS_OFFL_SIR_LRM_18_20201108T147287_20201108T147220_D001  CS_OFFL_SIR_LRM_18_20201108T180204_20201108T180004_D001  CS_OFFL_SIR_LRM_18_20201108T180204_20201108T180004_D001  CS_OFFL_SIR_LRM_18_20201108T180204_20201108T180004_D001  CS_OFFL_SIR_LRM_18_20201108T180204_20201108T180004_D001  CS_OFFL_SIR_LRM_18_20201108T180204_20201108T180004_D001  CS_OFFL_SIR_LRM_18_20201108T180204_20201108T180004_D001  CS_OFFL_SIR_LRM_18_20201108T120204_20201108T20004108T00004000000000000000000000000000			
CS_OFFL_SIR_LRM_18_20201106T162037_20201106T162055_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T163034_20201100T164209_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T16432_00201100T164209_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T16420_20201100T16441_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T16420_20201100T164290_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T162044_20201100T164200_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T162044_20201100T1640347_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T162042_20201100T1640347_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T20432_20201100T1640407_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T20432_20201100T1640040_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T20412_20201100T204110_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201100T20412_20201100T204110_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201100T204110_20201100T204110_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201100T204110_20201100T204110_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201100T204110_20201100T204120_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201100T204120_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201100T204320_0001  Loss of exho  The trackin			·
CS_OFFL_SIR_LEM_18_20201106T163634_20201106T174201_0001 Loss of exho  S_OFFL_SIR_LEM_18_20201106T17432_20201106T174202_0001 Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20201106T17423_20201106T174282_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20201106T174292_20201106T174295_000101  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20201106T174957_20201106T174958_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20201106T18243_20201106T190347_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20201106T120243_20201106T190047_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20201106T20243_20201106T202410_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20201106T202412_20201106T204110_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20201106T204112_20201106T204110_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20201106T204112_20201106T204110_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20201106T204112_20201106T204110_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20201106T204112_20201106T204110_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20201106T20415_20201106T204211_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20201106T20415_20201106T204110_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20201106T20415_20201106T20410_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20201106T20415_20201106T20410_0001  Loss of exho  The tracking exho is missing for one or			
CS_OFFL_SIR_LRM_18_20201106T174138_20201106T174201_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T174201_2020106T174201_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T174097_20201106T174201_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T120047_20201106T174097_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T120047_20201106T190347_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T20047_20201106T190347_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T20047_20201106T200410_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T20047_20201106T204110_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T200412_20201106T204110_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204112_20201106T204110_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204119_20201106T204130_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204119_20201106T204130_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204137_20201106T204130_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204137_20201106T204130_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204202_20201106T204240_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204324_202010106T20432_20001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204324_2020106T20432_20001  Loss of e			
CS_OFFL_SIR_LRM_1B_20201106T174211_20201106T174223_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T174267_20201106T174259_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T190012_200106T190030_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T190012_2001106T190030_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T190012_2001106T190030_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T190012_2001106T190012_10.0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T200112_2001106T200110_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T200112_2001106T200110_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T200110_2001106T200110_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T200110_2001106T200110_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T2001106T2001106T200110_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T2001106T2001106T200110010  CS_OFFL_SIR_LRM_1B_20201106T2001106T2001106T2001106T20011001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T200106T			
CS_OFFL_SIR_LRM_1B_20201106T174825_20201106T174814_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T174957_20201106T193030_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T192543_20201106T193030_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T29243_20201106T193004_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T290743_20201106T20216_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T200743_20201106T20216_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T200743_20201106T204113_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204112_20201106T204113_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204112_20201106T204113_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204119_20201106T204113_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204119_20201106T204113_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204119_20201106T204220_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204232_20201106T204244_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204232_20201106T204232_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T20432_20201106T20432_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T20432_20201106T20432_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T20432_20201106T20432_D001  Loss of echo T			·
CS_OFFL_SIR_LRM_18_20201106T174957_20201106T190388_0001  CS_OFFL_SIR_LRM_18_20201106T192342_2001106T190347_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T192343_20201106T190347_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T192343_20201106T190347_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T202914_20201106T202916_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T202914_20201106T204113_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204112_20201106T204113_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204112_20201106T204113_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204112_20201106T204135_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204132_20201106T204125_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204132_20201106T204213_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T20432_2020_20201106T204245_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T20432_2020_20201106T20432_20001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T20432_20201106T20432_20001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T20433_20201106T20432_20001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T20433_20201106T20432_20001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T21362_20201106T22435_20001  Loss of echo  The tracking echo is missing for one or			
CS_OFFL_SIR_LRM_18_202011067190312_02011067190330_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202011067190312_02011067190300_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201106712043_202011067120410_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2020110672043_20201106720410_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202011067204112_202011067204110_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202011067204112_202011067204115_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202011067204118_202011067204115_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202011067204118_202011067204115_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201106720413_20201106720415_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201106720413_202011067204244_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201106720432_202011067204244_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201106720433_202011067204244_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201106720433_20201106720432_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201106720433_20201106720432_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201106724042_20201106720432_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2020110672130_202110672203_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2020110672130_2020110672203_D001 Loss of echo The tracking echo is missing for one or more record			·
CS_OFFL_SIR_LRM_1B_20201106T190312_20201106T190347_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T202432_20201106T20216_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T202122021100T204110_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T20412_20201106T204110_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204112_20201106T204113_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204112_20201106T204113_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204137_20201106T204113_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204137_20201106T204112_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204137_20201106T204212_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204232_20201106T204242_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204232_20201106T204242_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204312_20201106T204322_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204312_20201106T204322_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204312_20201106T204322_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204322_D00106T204322_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204322_D00106T204322_D00106T204322_D00106T204322_D00106T204322_D00106T204322_D00106T204322_D00106T204322_D00106T204322_D00106T204322_D00106T204322_D00		Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20201106T20243_20201106T20216_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T20212_20201106T204118_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204112_20201106T204118_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204112_20201106T204118_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204119_20201106T204135_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204132_20201106T204135_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204132_20201106T204135_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204213_20201106T204262_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204232_20201106T204242_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204232_20201106T204242_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204232_20201106T204242_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204322_20201106T204232_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204332_20201106T204332_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T204332_20201106T204332_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T214332_20201106T204332_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T21452_20201106T21305_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201106T21362_20201106T221300_D001  Loss of ech			
CS_OFFL_SIR_LRM_IB_20201106T200743_20201106T2021216_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T20412_20201106T20413_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T204112_20201106T204113_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T204112_20201106T204115_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T204137_20201106T204131_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T204137_20201106T204211_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T204232_20201106T204241_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T204232_20201106T204242_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T204232_20201106T204324_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T204332_20201106T204322_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T204332_2001106T204322_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T204324_20201106T204322_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T201432_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T2130422_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T213042_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T213042_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T221802_D00101 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T22180			The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T204112_20201106T204113_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204112_20201106T204135_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204132_20201106T204135_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204132_20201106T204213_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204137_20201106T204213_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204232_20201106T204242_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204232_20201106T204244_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204252_20201106T204240_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204324_20201106T204322_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204324_20201106T204329_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204332_20201106T204329_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T214526_20201106T212925_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T214526_20201106T212925_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T214526_20201106T22931_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T214520342_20201106T22931_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221550_20201106T221824_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T2252142_D00110Loss of echo The tracking echo is m			The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T204112_20201106T204115_D001			The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T20411B_20201106T20411B_0001  CS_OFFL_SIR_LRM_1B_20201106T20411B_20201106T204211_D001  CS_OFFL_SIR_LRM_1B_20201106T20412B_20201106T20421B_0001  CS_OFFL_SIR_LRM_1B_20201106T20412B_20201106T20421B_0001  CS_OFFL_SIR_LRM_1B_20201106T20423D_20201106T20424B_0001  CS_OFFL_SIR_LRM_1B_20201106T20423D_20201106T20424B_0001  CS_OFFL_SIR_LRM_1B_20201106T20423D_20201106T20424B_0001  CS_OFFL_SIR_LRM_1B_20201106T20423D_20201106T20424B_0001  CS_OFFL_SIR_LRM_1B_20201106T20423D_20201106T20424B_0001  CS_OFFL_SIR_LRM_1B_20201106T20432B_0001  CS_OFFL_SIR_LRM_1B_20201106T20433B_20001  CS_OFFL_SIR_LRM_1B_20201106T21379_20201106T2032B_0001  CS_OFFL_SIR_LRM_1B_20201106T21379_20201106T2033B_1D001  CS_OFFL_SIR_LRM_1B_20201106T21462B_20201106T22130B_0D001  CS_OFFL_SIR_LRM_1B_20201106T20304B_20201106T22130D_0D001  CS_OFFL_SIR_LRM_1B_20201106T20304B_20201106T22130D_0D001  CS_OFFL_SIR_LRM_1B_20201106T20304B_20201106T22130D_0D001  CS_OFFL_SIR_LRM_1B_20201106T22130B_2000100T22130D_0D001  CS_OFFL_SIR_LRM_1B_20201106T22130B_2000100T2230D_0D001  CS_OFFL_SIR_LRM_1B_20201106T22130B_2000100T2230D_0D001  CS_OFFL_SIR_LRM_1B_20201106T22130B_2000100T2230D_0D001  CS_OFFL_SIR_LRM_1B_20201106T22130B_2000100T2230D_0D001  CS_OFFL_SIR_LRM_1B_20201106T22350B_20001106T22330D_0D001  CS_OFFL_SIR_LRM_1B_20201106T22350B_2000106T22330D_0D001  CS_OFFL_SIR_LRM_1B_20201106T22350B_20001106T22330D_0D001  CS_OFFL_SIR_LRM_1B_20201106T22350B_2000106T22330D_0D001  CS_OFFL_SIR_LRM_1B_20201106T22350B_2000106T22330D_0D001  CS_OFFL_SIR_LRM_1B_20201106T22350B_2000106T22350D_0D001  CS_OFFL_SIR_LRM_1B_20201106T2350B_20201106T2350B_D0001  CS_OFF			The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T20413_20201106T20421_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201106T20423_20201106T20424_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201106T20423_20201106T20424_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201106T20423_20201106T20424_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201106T20423_20201106T204310_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201106T20432_2D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201106T204332_2D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201106T204332_2D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201106T204332_2D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201106T204332_2D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201106T211326_20201106T213225_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201106T2139106T220141_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201106T221305_0001106T221306_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201106T221305_02001106T221800_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201106T221803_02001106T221800_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201106T221803_02001106T223332_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201106T221825_02001106T223332_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201106T223547_20201106T223332_D001 Loss of ec	CS_OFFL_SIR_LRM_1B_20201106T204112_20201106T204113_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T204213_20201106T204244_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204223_20201106T204244_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204232_20201106T204244_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204324_20201106T204324_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204324_20201106T204322_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204324_20201106T204325_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T204324_20201106T204352_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T214324_20201106T204352_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T214525_02001106T213921_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T21392_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221302_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221302_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221803_20201106T221800_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221826_20201106T221802_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221826_20201106T222332_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T223526_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T223524_20201106T223326_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_2		Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20201106T204213_20201106T204244_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T204252_20201106T204310_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T204314_20201106T204322_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T204324_20201106T204329_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T204331_20201106T204329_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T204331_20201106T204352_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T211379_20201106T213921_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T213791_20201106T22914_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T214625_20201106T22140_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T220342_20201106T22100_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T220342_20201106T22100_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T220342_20201106T221800_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T221803_20201106T221804_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T223347_20201106T223322_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T223347_20201106T223322_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T223347_20201106T223322_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201106T233347_20201106T233326	CS_OFFL_SIR_LRM_1B_20201106T204119_20201106T204135_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20201106T21526_20201106T213921_D001  CS_OFFL_SIR_LRM_1B_20201106T213719_20201106T213921_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_20201106T220342_20201106T221306_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221550_20201106T221800_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221803_20201106T221824_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221803_20201106T221824_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221826_20201106T221901_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T223347_20201106T22332_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T225214_20201106T225266_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T231524_20201106T233286_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T234904_20201106T234959_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	CS_OFFL_SIR_LRM_1B_20201106T204324_20201106T204329_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20201106T2214625_20201106T220141_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221550_20201106T221800_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221803_20201106T221824_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221824_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221826_20201106T221901_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221904_20201106T222332_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T223547_20201106T225206_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T225214_20201106T22526_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T23524_20201106T23526_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T23504_20201106T235021_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T235005_20201106T235021_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_20201106T235005_20201106T235005_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_20201106T235003_20201106T2350035_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_20201106T220342_20201106T221306_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221803_20201106T221800_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221826_20201106T221824_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221826_20201106T221901_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221904_20201106T222332_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T223547_20201106T225206_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T225214_20201106T225226_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T23524_20201106T232326_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T234904_20201106T234959_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T235005_20201106T235021_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_20201106T235005_20201106T235021_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_20201106T213719_20201106T213921_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T221550_20201106T221804_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221826_20201106T221824_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221826_20201106T221901_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221904_20201106T222332_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T223547_20201106T225206_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T225214_20201106T225226_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T23524_20201106T232326_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T234904_20201106T234959_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T235005_20201106T235021_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_20201106T235005_20201106T235035_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_20201106T235005_20201106T235035_D001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20201106T214625_20201106T220141_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T221803_20201106T221824_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221826_20201106T221901_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221904_20201106T222332_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T223547_20201106T225206_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T225214_20201106T225226_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T23524_20201106T232326_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T234904_20201106T234959_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T235005_20201106T235021_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_20201106T235005_20201106T235035_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_20201106T235005_20201106T235035_D001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20201106T220342_20201106T221306_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T221826_20201106T221901_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T221904_20201106T222332_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T223547_20201106T225206_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T225214_20201106T225226_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T231524_20201106T232326_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T234904_20201106T234959_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T235005_20201106T235021_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	CS_OFFL_SIR_LRM_1B_20201106T221550_20201106T221800_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T221904_20201106T222332_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T223547_20201106T225206_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T225214_20201106T225226_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T231524_20201106T232326_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T234904_20201106T234959_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T235005_20201106T235021_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20201106T221803_20201106T221824_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T223547_20201106T225206_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_20201106T221826_20201106T221901_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T225214_20201106T225226_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_20201106T234904_20201106T234959_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T235005_20201106T235021_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_20201106T235023_20201106T235035_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_20201106T221904_20201106T222332_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T231524_20201106T232326_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T234904_20201106T234959_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T235005_20201106T235021_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_20201106T223547_20201106T225206_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T234904_20201106T234959_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T235005_20201106T235021_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T235023_20201106T235035_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_20201106T225214_20201106T225226_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T235005_20201106T235021_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201106T235023_20201106T235035_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_20201106T235023_20201106T235035_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20201106T234904_20201106T234959_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20201106T235005_20201106T235021_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T235413_20201106T235503_D001 Loss of echo The tracking echo is missing for one or more records			
	CS_OFFL_SIR_LRM_1B_20201106T235413_20201106T235503_D001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20201106T235511_20201106T235515_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T235519_20201106T235529_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T235533_20201106T235541_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T235544_20201106T235655_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T235657_20201106T235708_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T235712_20201106T235717_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201106T235721_20201107T000308_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:

### 4.6 L1B Auxilary Data File Usage Check

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

Number of products with errors:

0

### 4.7 L1B Auxiliary Correction Error Check

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

Number of products with errors:

#### 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:

- 1

Product	Test Failed	Description		
CS_OFFL_SIR_LRM_1B_20201106T083555_20201106T084826_D001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo		

### 5. Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

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

Number of products with errors:

#### 5.2 L2 Product Header Analysis

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

Number of products with errors:

### 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.

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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:

Product

Test Failed Description

CS_OFFL_SIR_LRM_220201106T001703_20201106T003842_D001	, ,	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220201106T005128_20201106T005225_D001	,	There is a height and backscatter error for Retracker 2 for one or more records

CS_OFFL_SIR_LRM_220201106T011757_20201106T014036_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_220201106T015643_20201106T022026_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_220201106T024918_20201106T025150_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_220201106T025315_20201106T031834_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20201106T033559_20201106T034915_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_220201106T034918_20201106T035509_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_220201106T035535_20201106T035950_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_220201106T041142_20201106T041244_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_220201106T042506_20201106T045842_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_220201106T051750_20201106T052046_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_220201106T053843_20201106T054131_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_220201106T061641_20201106T063759_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_220201106T065528_20201106T070517_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_220201106T070705_20201106T071422_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_220201106T071508_20201106T071939_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_220201106T074131_20201106T081654_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_220201106T083555_20201106T084826_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_220201106T084837_20201106T090609_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_220201106T092054_20201106T092056_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220201106T092255_20201106T092453_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_220201106T092720_20201106T093915_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_220201106T094119_20201106T095630_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_220201106T101306_20201106T102334_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_220201106T102953_20201106T104603_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_220201106T112118_20201106T113502_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_220201106T115044_20201106T122418_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_220201106T123729_20201106T124516_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220201106T125118_20201106T131228_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_220201106T132946_20201106T135531_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_220201106T135534_20201106T135715_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_220201106T142812_20201106T145308_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_220201106T151013_20201106T154303_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_220201106T155534_20201106T155747_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_220201106T160717_20201106T161528_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_220201106T164932_20201106T172205_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220201106T175439_20201106T181016_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_220201106T182804_20201106T190308_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_220201106T192543_20201106T193004_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_220201106T193059_20201106T194837_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_220201106T200743_20201106T202216_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_220201106T202336_20201106T202432_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_220201106T202912_20201106T204110_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_220201106T204230_20201106T204244_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220201106T205607_20201106T211358_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_220201106T211526_20201106T212925_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_220201106T214625_20201106T220141_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_220201106T220342_20201106T221306_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_220201106T223547_20201106T225206_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_220201106T232623_20201106T234049_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_220201106T235023_20201106T235035_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of 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	176	176	176	0	0
SIR_SAR_1B	111	111	111	0	0
SIR_SIN_1B	106	106	106	0	0
SIR_LRM_2	172	172	168	4	0
SIR_SAR_2	104	109	109	0	0
SIR_SIN_2	109	104	102	2	0
SIR GDR 2	15	15	0	0	15

## 6.1 QCC Errors

Number of products with QCC errors:

	MPHDUTNCDF	MPHXPFNCDF	MPHXVFNCDF	MPHYPFNCDF	MPHYVFNCDF	MPHZPFNCDF	STRUCTURESIZ		
Product Type							EANDREAD		

15

CID CDD 3	45 45	45	45	45	45	45	45	-1			
SIR_GDR_2_	15 15	15	15	15	15	15	15				
Test Description Key:											
Abbreviation	Test name		Details								
MPHDUTNCDF	MPH_Delta_UT1_NetCDF	[	elta_UT1 mismato	h							
MPHXPFNCDF	MPH_X_Position_Float_v2_Ne	etCDF >	_Position mismate	h (DBL float (GDI	R), 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	NCDF MPH_Z_Velocity_Float_v2_NetCDF		Z_Velocity mismatch (DBL float (GDR), rounded to 1)								
STRUCTURESIZEANDESTRUCTURE SIZE AND READ		AD I	Under investigation								

## 6.2 QCC Warnings

### Number of QCC reports with warnings

Total number of occurrences of each warning

Total name of occurrency							
Product Type	AXDME	AXSMMEOCI	•	•	•	•	•
SIR_LRM_2_	0	4					
SIR SIN 2	2	0					

Test Description Key:					
Abbreviation	Test name	Details			
AXDME		The xref_dem attribute is mandatory in SIN products over continental ice			
AXSMMEOCI	AttributeXrefSlopeModelMustExistOverContinentalIce	The xref_slope_model is mandatory in LRM products over continental ice			

## 6.2 Missing QCC Reports

Number of products with missing QCC reports:

0

6