

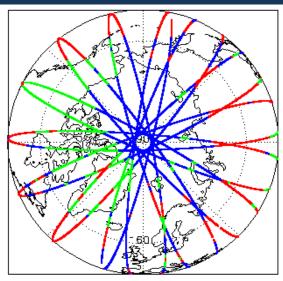
### 1. Overview

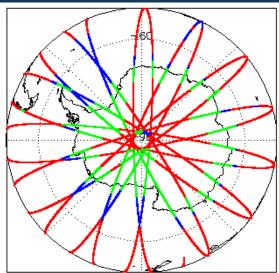
Report Production Date:	06-May-2021
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

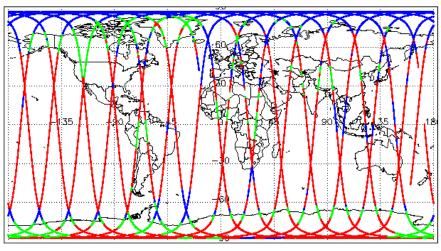
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

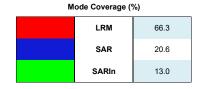
Mission / Instrument News					
06-Apr-2021	None				
07-Apr-2021	None				
08-Apr-2021	Nothing planned				

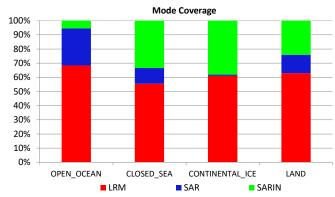
# 2. Global Coverage

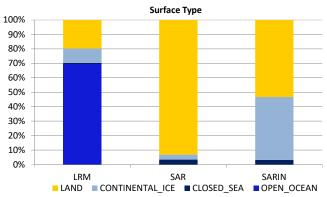












### 3. Instrument Configuration

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:

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.

umber of products with errors: 12

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20210407T001859_20210407T001924_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T001926_20210407T001956_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T002828_20210407T005500_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T010234_20210407T010502_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T011317_20210407T012545_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T015734_20210407T015746_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T015751_20210407T015820_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T015823_20210407T015850_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T015852_20210407T015945_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T015947_20210407T020030_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T020033_20210407T020040_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T020705_20210407T021642_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T021846_20210407T023420_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T025014_20210407T030232_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T030256_20210407T030333_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T030713_20210407T031906_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T033612_20210407T034034_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T034051_20210407T034103_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T034107_20210407T034158_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T034200_20210407T034627_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T034630_20210407T034954_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T042637_20210407T045037_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T045419_20210407T050127_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T051503_20210407T052121_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T052123_20210407T052128_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T052130_20210407T052135_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T052207_20210407T052211_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T052213_20210407T052216_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T052219_20210407T052234_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T052401_20210407T052458_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T052750_20210407T054857_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T060559_20210407T063402_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T063405_20210407T063425_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T063427_20210407T063438_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T063440_20210407T063442_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T063444_20210407T063450_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T063452_20210407T063455_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T063457_20210407T063503_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T065604_20210407T070132_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T070238_20210407T070356_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T070358_20210407T070602_D001	Loss of echo	The tracking echo is missing for one or more records

Company   Comp	CS_OFFL_SIR_LRM_1B_20210407T070605_20210407T070623_D001	Loss of echo	The tracking echo is missing for one or more records
Company   Comp			
C.   Per 19.   1.04.   Per 19.   1.04.   Per 19.   Per			·
Company   Comp			
Co. Comp.   Co.   Comp.   Co.   Comp.   Co.			
Co., Co.   Co., Co.			
Dec. of L. SEL, Link 11, Just part (1974) (2019) (1974) (2019)   Less of whee			
Co. CHI. SELLUM IN DECIDIOR PRODUCTIONS DO DO			
Company   Comp			·
Company   Comp			
Company   Comp			The tracking echo is missing for one or more records
Co., OFF., SR., J.M. J. & 20000007101040, 200000710000, 2001000710000, 200100710000, 200100710000, 200100710000, 2001007100000, 20010000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20210407T091400_20210407T091929_D001	Loss of echo	The tracking echo is missing for one or more records
Les of show OFFE, BRILLAND IS 2010007710380, 2010007713930, 2001 OFFE, BRILLAND IS 2010007710380, 2010007713930, 201	CS_OFFL_SIR_LRM_1B_20210407T101524_20210407T101548_D001	Loss of echo	The tracking echo is missing for one or more records
Co., CPT_1, SR_1, RM_10_2000007710200_2010007710000_2010007710200_20100007710200_2010007710200_2010007710200_2010007710200_2010007710200_2010007710200_2010007710200_2010007710200_2010007710200_20100007710200_20100007710200_2010007710200_2010007710200_2010007710200_20100077102000_2010007710200_2010007710200_20100077102000_20100007710200_20100007710200_20100007710200_20100007710200_20100007710200_20100007	CS_OFFL_SIR_LRM_1B_20210407T101831_20210407T101929_D001	Loss of echo	The tracking echo is missing for one or more records
Co OFF, DRILLAM 19 2000007119322 2001007119329 DOIS  OFF, DRILLAM 19 20000071193102 200100711932 DOIS  OFF, DRILLAM 19 20000071193102 20010071193109 DOIS  OFF, DRILLAM 19 2000007119302 20010071193109 DOIS  OFF, DRILLAM 19 2000007119302 2001007119300 DOIS  OFF, DRILLAM 19 2000007119300 DOIS  OFF, DRILLAM 19 20000007119300 DOIS  OFF, DRILLAM 19 2000000719300 DOIS  OFF, DRILLAM 19 2000000719300 DOI	CS_OFFL_SIR_LRM_1B_20210407T101940_20210407T101949_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_ER_LINK_IR_202160FT11001_202100FT110101_202100FT110100_0000  OFF_SRL_URM_IR_202160FT110011_202100FT110101_202100FT110100_0000  OFF_SRL_URM_IR_202160FT110011_202100FT110100_0000  Loss of eithe  The floating steb is missing for one or more records  Interfacing steb is missing for one or more records  CS_OFF_SRL_URM_IR_202160FT120001_202100FT1101015_0000  Loss of eithe  The floating steb is missing for one or more records  CS_OFF_SRL_URM_IR_202160FT120001_202100FT1101015_0000  Loss of eithe  The floating steb is missing for one or more records  CS_OFF_SRL_URM_IR_202160FT120001_202100FT1101015_0000  Loss of eithe  The floating steb is missing for one or more records  CS_OFF_SRL_URM_IR_202160FT130002_2021000FT131015_0000  Loss of eithe  The floating steb is missing for one or more records  CS_OFF_SRL_URM_IR_202160FT130022_2021000FT131015_0000  Loss of eithe  The floating steb is missing for one or more records  CS_OFF_SRL_URM_IR_202160FT130022_2021000FT131015_0000  Loss of eithe  The floating steb is missing for one or more records  CS_OFF_SRL_URM_IR_202160FT130022_2021000FT131010_0000  Loss of eithe  The floating steb is missing for one or more records  CS_OFF_SRL_URM_IR_202160FT130022_2021000FT131010_0000  Loss of eithe  The floating steb is missing for one or more records  CS_OFF_SRL_URM_IR_202160FT13002_2021000FT131000_0000  Loss of eithe  The floating steb is missing for one or more records  CS_OFF_SRL_URM_IR_202160FT13002_2021000FT13000_0000  Loss of eithe  The floating steb is missing for one or more records  CS_OFF_SRL_URM_IR_202160FT13000_2021000FT13000_0000  Loss of eithe  The floating steb is missing for one or more records  CS_OFF_SRL_URM_IR_202160FT13000_2021000_0000  Loss of eithe  The floating steb is missing for one or more records  CS_OFF_SRL_URM_IR_202160FT13000_2021000000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20210407T102250_20210407T102539_D001	Loss of echo	The tracking echo is missing for one or more records
CS_CPF_SIR_LEM_18_202164077142782.00011	CS_OFFL_SIR_LRM_1B_20210407T105320_20210407T105827_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SR_UM_18_2010071125352_2021007713078_DOING  Los of election  CS_OFF_SR_UM_18_2021007713078_2021007713078_DOING  Los of election  CS_OFF_SR_UM_18_2021007713078_20210077107078_DOING  Los of election  CS_OFF_SR_UM_18_2021007713078_202100771078_DOING  Los of election  The tracking election in intensing for one or more records  CS_OFF_SR_UM_18_2021007713078_20210077107078_DOING  Los of election  The tracking election intensing for one or more records  CS_OFF_SR_UM_18_2021007714078_20210077107078_DOING  Los of election  The tracking election intensing for one or more records  CS_OFF_SR_UM_18_2021007714078_DOING  Los of election  The tracking election intensing for one or more records  CS_OFF_SR_UM_18_2021007714078_DOING  Los of election  The tracking election intensing for one or more records  The tracking election intensing for one or more records  CS_OFF_SR_UM_18_20210	CS_OFFL_SIR_LRM_1B_20210407T110422_20210407T112236_D001	Loss of echo	The tracking echo is missing for one or more records
Society   Soci	CS_OFFL_SIR_LRM_1B_20210407T114011_20210407T114108_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LINU_19_202104077129889_20210407713989_D01	CS_OFFL_SIR_LRM_1B_20210407T123538_20210407T123732_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LRM_18_20010007119502_20110071131515_D001	CS_OFFL_SIR_LRM_1B_20210407T124439_20210407T125718_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LRN_16_202140077118052_2021007713180_D001  CS_OFFL_SR_LRN_16_20214007713182_2021007713180_D001  CS_OFFL_SR_LRN_16_20214007713182_2021007713180_D001  CS_OFFL_SR_LRN_16_20214007713182_2021007713180_D001  CS_OFFL_SR_LRN_16_20214007713182_2021007713180_D001  CS_OFFL_SR_LRN_16_20214007713182_2021007713180_D001  CS_OFFL_SR_LRN_16_20214007713182_2021007713180_D001  CS_OFFL_SR_LRN_16_20214007713182_2021007713180_D001  CS_OFFL_SR_LRN_16_20214007713182_2021007713180_D001  CS_OFFL_SR_LRN_16_20214007713182_2021007713120_D001  CS_OFFL_SR_LRN_16_20214007713182_2021007713120_D001  CS_OFFL_SR_LRN_16_20214007713182_2021007713120_D001  CS_OFFL_SR_LRN_16_20214007713182_2021007713120_D001  CS_OFFL_SR_LRN_16_20214007713182_2021007714070_D001  CS_OFFL_SR_LRN_16_20214007713182_2021007714070_D001  CS_OFFL_SR_LRN_16_20214007714022_D001  CS_OFFL_SR_LRN_16_20214007714022_D001007144000_D001  CS_OFFL_SR_LRN_16_20214007714002_D001007144000_D001  CS_OFFL_SR_LRN_16_20214007714002_D0010071440000_D001  CS_OFFL_SR_LRN_16_202140077140000_D0010071440000_D001  CS_OFFL_SR_LRN_16_202140077140000_D001007144000000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20210407T125839_20210407T125907_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SR_LRM_18_20210407T13185_20210407T13185_D001  CS_OFF_SR_LRM_18_20210407T13182_20210407T13185_D001  CS_OFF_SR_LRM_18_20210407T13182_20210407T13185_D001  CS_OFF_SR_LRM_18_20210407T13182_20210407T13185_D001  CS_OFF_SR_LRM_18_20210407T13185_20210407T13185_D001  CS_OFF_SR_LRM_18_20210407T13185_20210407T13185_D001  CS_OFF_SR_LRM_18_20210407T13185_20210407T13282_D001  CS_OFF_SR_LRM_18_20210407T13185_20210407T13282_D001  CS_OFF_SR_LRM_18_20210407T13185_20210407T13285_D001  CS_OFF_SR_LRM_18_20210407T13283_20210407T13285_D001  CS_OFF_SR_LRM_18_20210407T13283_20210407T13078_D001  CS_OFF_SR_LRM_18_20210407T13283_20210407T14078_D001  CS_OFF_SR_LRM_18_20210407T13283_D00407T4378_D001  CS_OFF_SR_LRM_18_20210407T13283_D00407T4378_D001  CS_OFF_SR_LRM_18_20210407T14283_D00407T4378_D001  CS_OFF_SR_LRM_18_20210407T14283_D00407T4378_D001  CS_OFF_SR_LRM_18_20210407T4483_D00407T4378_D001  CS_OFF_SR_LRM_18_20210407T4483_D00407T4483_D00407T4378_D001  CS_OFF_SR_LRM_18_20210407T4483_D00407T4483_D	CS_OFFL_SIR_LRM_1B_20210407T125909_20210407T130151_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SR_LRM_18_20210407T131857_20210407T131859_D001 Lose of echo The tracking acho is missing for one or more records CS_OFF_SR_LRM_18_20210407T131952_20210407T131951_D001 Lose of echo The tracking acho is missing for one or more records CS_OFF_SR_LRM_18_20210407T131952_20210407T131951_D001 Lose of echo The tracking acho is missing for one or more records CS_OFF_SR_LRM_18_20210407T131952_20210407T131951_D001 Lose of echo The tracking acho is missing for one or more records CS_OFF_SR_LRM_18_20210407T131952_20210407T131958_D001 Lose of echo The tracking acho is missing for one or more records CS_OFF_SR_LRM_18_20210407T13252_20210407T14078_D001 Lose of echo The tracking acho is missing for one or more records CS_OFF_SR_LRM_18_20210407T14078_20210407T14078_D001 Lose of echo The tracking acho is missing for one or more records CS_OFF_SR_LRM_18_20210407T14078_20210407T14078_D001 Lose of echo The tracking acho is missing for one or more records CS_OFF_SR_LRM_18_20210407T14078_20210407T14078_D001 Lose of echo The tracking acho is missing for one or more records CS_OFF_SR_LRM_18_20210407T14078_20210007T14078_D001 Lose of echo The tracking acho is missing for one or more records CS_OFF_SR_LRM_18_20210407T14078_20210007T14078_D001 Lose of echo The tracking acho is missing for one or more records CS_OFF_SR_LRM_18_20210407T14075_20210407T14058_D001 Lose of echo The tracking acho is missing for one or more records CS_OFF_SR_LRM_18_20210407T14058_2001 Lose of echo The tracking acho is missing for one or more records CS_OFF_SR_LRM_18_20210407T14058_2001 Lose of echo The tracking acho is missing for one or more records CS_OFF_SR_LRM_18_20210407T14558_2001 Lose of echo The tracking acho is missing for one or more records CS_OFF_SR_LRM_18_20210407T14558_2001 Lose of echo The tracking acho is missing for one or more records CS_OFF_SR_LRM_18_20210407T14558_2001 Lose of echo The tracking acho is missing for one or more records CS_OFF_SR_LRM_18_20210407T14558_2001 Lose of echo The tracking acho is missing for one or more records CS	CS_OFFL_SIR_LRM_1B_20210407T130632_20210407T131411_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SR_LRW_18_20010407T131867_20010407T131869_D001 Loss of echa The tracking echo is missing for one or more records CS_OFF_SR_LRW_18_20010407T131867_20010407T131861_D001 Loss of echa The tracking echo is missing for one or more records CS_OFF_SR_LRW_18_20010407T131867_20010407T131861_D001 Loss of echa The tracking echo is missing for one or more records CS_OFF_SR_LRW_18_20010407T131867_20010407T131867_D001 Loss of echa The tracking echo is missing for one or more records CS_OFF_SR_LRW_18_20010407T131867_20010407T13002_D001 Loss of echa The tracking ech is missing for one or more records CS_OFF_SR_LRW_18_20010407T13002_D0010407T140708_D001 Loss of echa The tracking ech is missing for one or more records CS_OFF_SR_LRW_18_20010407T14078_D0010407T140708_D001 Loss of echa The tracking ech is missing for one or more records CS_OFF_SR_LRW_18_20010407T14078_D0010407T140708_D001 Loss of echa The tracking ech is missing for one or more records CS_OFF_SR_LRW_18_20010407T14079_D0010407T140708_D001 Loss of echa The tracking ech is missing for one or more records CS_OFF_SR_LRW_18_20010407T140749_D0010407T140507_D001 Loss of echa The tracking ech is missing for one or more records CS_OFF_SR_LRW_18_20010407T140508_D0010407T140507_D001 Loss of echa The tracking ech is missing for one or more records CS_OFF_SR_LRW_18_20010407T140508_D0010407T140508_D001 Loss of echa The tracking ech is missing for one or more records CS_OFF_SR_LRW_18_20010407T140508_D0011 Loss of echa The tracking ech is missing for one or more records CS_OFF_SR_LRW_18_20010407T140508_D0011 Loss of echa The tracking ech is missing for one or more records CS_OFF_SR_LRW_18_20010407T140508_D0011 Loss of echa The tracking ech is missing for one or more records CS_OFF_SR_LRW_18_20010407T140508_D0011 Loss of echa The tracking ech is missing for one or more records CS_OFF_SR_LRW_18_20010407T140508_D0011 Loss of echa The tracking ech is missing for one or more records CS_OFF_SR_LRW_18_20010407T160508_D0011 Loss of echa The tracking ech is missing for one or more rec	CS OFFL SIR LRM 1B 20210407T131825 20210407T131854 D001	Loss of echo	The tracking echo is missing for one or more records
GS_OFF_SR_LRM_18_20210407113102_20210407113102_001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LRM_18_20210407113102_20210407113002_001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LRM_18_20210407113005_20210407113002_001 Loss of exho The tracking exho is missing for one or more records The tracking exho is missing for one or more records GS_OFF_SR_LRM_18_20210407113005_20210407114008_001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LRM_18_20210407114208_2021040714408_001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LRM_18_20210407114208_2021040714408_001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LRM_18_20210407114208_20210407144302_001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LRM_18_20210407114208_20210407144302_001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LRM_18_20210407114208_20210407144302_001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LRM_18_20210407114208_20210407144305_001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LRM_18_20210407114305_001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LRM_18_20210407114305_001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LRM_18_20210407114305_001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LRM_18_20210407114305_001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LRM_18_20210407714305_001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LRM_18_20210407714305_001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LRM_18_20210407714050_001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LRM_18_20210407714050_001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR		Loss of echo	
CS_OFFL_SR_LRM_1B_202104071191922_00210407119192_0001  CS_OFFL_SR_LRM_1B_20210407119192_00210407119195_0001  CS_OFFL_SR_LRM_1B_20210407119205_00210407119205_0001  CS_OFFL_SR_LRM_1B_20210407119205_00210407119205_0001  CS_OFFL_SR_LRM_1B_20210407119205_00210407140705_0001  CS_OFFL_SR_LRM_1B_20210407119205_00210407140705_0001  CS_OFFL_SR_LRM_1B_20210407119205_00210407140705_0001  CS_OFFL_SR_LRM_1B_20210407119205_00210407140705_0001  CS_OFFL_SR_LRM_1B_20210407119305_0021040714920_0001  CS_OFFL_SR_LRM_1B_2021040714905_0021040714920_0001  CS_OFFL_SR_LRM_1B_2021040714905_0021040714920_0001  CS_OFFL_SR_LRM_1B_2021040714905_0021040714920_0001  CS_OFFL_SR_LRM_1B_2021040714905_0021040714905_0001  CS_OFFL_SR_LRM_1B_2021040714905_0021040714905_0001  CS_OFFL_SR_LRM_1B_2021040714905_0021040714905_0001  CS_OFFL_SR_LRM_1B_2021040714905_0021040714905_0001  CS_OFFL_SR_LRM_1B_2021040714905_0001040714905_0001  CS_OFFL_SR_LRM_1B_2021040714905_0001040714905_0001  CS_OFFL_SR_LRM_1B_2021040714905_0001040714905_0001  CS_OFFL_SR_LRM_1B_2021040714905_0001040714905_0001  CS_OFFL_SR_LRM_1B_2021040714905_0001040714905_0001  CS_OFFL_SR_LRM_1B_2021040714905_0001040714905_0001  CS_OFFL_SR_LRM_1B_2021040714905_0001040714905_0001  CS_OFFL_SR_LRM_1B_2021040714905_0001040714905_0001  CS_OFFL_SR_LRM_1B_2021040714905_0001040714905_0001  CS_OFFL_SR_LRM_1B_2021040711908_0001040714905_0001  CS_OFFL_SR_LRM_1B_2021040711908_0001040714905_0001  CS_OFFL_SR_LRM_1B_2021040711908_0001040714900001  CS_OFFL_SR_LRM_1B_2021040711908_0001040714900000000000000000000000000000			
CS_OFFL_SIR_LRM_18_2021040T131988_2021040T131985_2021040T13198_2021040T13198_2021040T13198_2021040T13198_2021040T13198_2021040T13198_2021040T13198_2021040T131985_2021040T13198_2021040T1319			
CS_OFFL_SIR_LRM_18_20210407T13907_20210407T13005_20010407T13005_00010  CS_OFFL_SIR_LRM_18_20210407T13005_20010407T13005_00010  CS_OFFL_SIR_LRM_18_20210407T14305_20007T147700_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T14305_20007T147700_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T14305_20210407T14710_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T145245_20210407T145371_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T145539_20210407T145531_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T145539_20210407T14555_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T14555_00010407T14555_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T14555_00010407T14554_00001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T14551_20210407T14540_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T145513_00210407T14540_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T151513_00210407T15038_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T151513_00210407T15038_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T15308_20210407T15031_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T153038_20210407T15301_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T153038_20210407T15301_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T153038_20210407T15302_0001  Loss of ech			
CS_OFFL_SIR_LRM_18_20210407T132052_20210407T140708_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T144334_20210407T140708_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T14438_20210407T140502_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T144050_20210407T140502_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T140502_20010407T140502_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T140502_20010407T140502_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T140502_2001047T140502_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T140502_200007T140508_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T140502_200007T140508_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T140502_20010407T160010 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T160502_20010407T160010 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T160502_200001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T160502_200001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T160502_200001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T160502_200001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T160502_200001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T160502_20210407T160504_20001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T160502_20210			
CS_OFFL_SIR_LRM_18_20210407T14358_20210407T14378_2001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T14388_20210407T14378_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T14388_20210407T14557_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T143058_20210407T14557_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T145058_20210407T14557_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T145589_20210407T145591_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T145587_20210407T145591_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T145587_20210407T145040_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T145611_20210407T145040_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T151513_20210407T145040_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T151513_20210407T15040_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T151513_20210407T15040_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163030_20210407T152051_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163037_20210407T163030_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163037_20210407T163030_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163037_20210407T163030_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163037_20210407T163030_0001  Loss of echo Th			
CS_OFFL_SIR_LRM_IB_20210407T144382_20210407T1464P_0001  CS_OFFL_SIR_LRM_IB_20210407T142333_20210407T1453719_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T145382_20210407T145552_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T145538_20210407T145551_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T145538_20210407T145551_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T145551_20210407T145554_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T145512_20210407T145682_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T145611_20210407T145649_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T145612_20210407T145649_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T151580_2010407T150582_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T161580_2010407T162542_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T16326_20210407T162742_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T16326_20210407T163340_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163357_20210407T163340_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163357_20210407T163340_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163435_20210407T163340_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163435_20210407T163340_0001  Loss of exho  The tracking exho is missing for one or more re			
CS_OFFL_SIR_LRM_18_202104077142333_202104077143719_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077145052_202104077145052_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077145052_202104077145052_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077145052_202104077145058_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077145057_202104077145080_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077145057_202104077145080_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077145052_202104077145080_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077145052_202104077145080_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407715100_202104077150350_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407715100_202104077163250_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077163236_202104077163250_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077163238_202104077163250_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077163238_202104077163250_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077163238_202104077163250_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077163242_202104077163432_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077163432_20010477163432_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077176342_20014077163432_D001  Loss of e			
CS_OFFSIR_LRM_18_20210407T148058_20210407T145052_0001  CS_OFFSIR_LRM_18_20210407T145053_20210407T145051_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210407T145053_20210407T145051_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210407T145053_20210407T145051_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210407T145051_20210407T145080_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210407T145052_20210407T150047_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210407T145052_20210407T150047_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210407T151050_20210407T16308_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210407T16308_20210407T16308_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210407T16308_20210407T16308_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210407T16308_20210407T162300_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210407T163328_20210407T163300_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210407T163328_20210407T163300_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210407T163309_20210407T163320_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210407T163309_20210407T163342_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210407T163432_20001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSIR_LRM_18_20210407T163432_20210407T163432_0001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFSI			
CS_OFFL_SIR_LRM_18_20210407T145545_20210407T145551_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T145552_20210407T145551_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T145552_20210407T145568_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T145557_20210407T145680_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T145552_20210407T15047_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T145513_20210407T15048_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T15313_20210407T150458_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163136_20210407T162361_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163126_20210407T163261_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163126_20210407T163250_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163126_20210407T163326_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163328_20210407T163334_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163332_20210407T163348_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163342_20210407T16348_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163343_20210407T163433_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163435_20210407T183430_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T170150_20210407T179360_D001 Loss of echo The tracking			
CS_OFFL_SIR_LRM_18_202104077145554_202104077145554_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077145554_202104077145504_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077145611_202104077145042_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077145652_202104077150947_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077151532_02104077150947_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077151532_02104077152742_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077163426_202104077163210_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077163426_202104077163210_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407716328_20210407716320_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407716328_20210407716320_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077163328_20210407716320_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077163332_202104077163342_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077163342_202104077163432_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407716344_202104077163432_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202104077163435_2021040771703432_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2021040771163462_D0104717163432_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2021040771163462_D010477176326_D001  Loss of echo			
CS_OFFL_SIR_LRM_1B_20210407T145554_20210407T145554_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T145681_20210407T150047_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T145682_20210407T150047_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T151532_20210407T150047_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T161532_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T16242_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T16242_D0010407T16242_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T16232B_20210407T163210_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T16328_20210407T163200_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T16328_20210407T163200_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T16328_20210407T163200_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T16332B_20210407T16322D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T16342A_20210407T163432_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163432_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163432_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163432_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163632_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T171050_20210407T1710010 Loss of echo The track			
CS_OFFL_SIR_LRM_IB_20210407T145562_20210407T145684_D001  CS_OFFL_SIR_LRM_IB_20210407T145682_20210407T165084_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T151513_20210407T1515183_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T15151513_20210407T152581_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T1515162_20210407T152581_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163240_20210407T162742_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163238_20210407T162742_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163238_20210407T163250_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163257_20210407T163348_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163342_20210407T163348_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163342_20210407T163343_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163352_20210407T163342_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T16342_20210407T16342_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T16342_20210407T16342_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T17052_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T17052_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T174211_20210407T178058_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_2021		Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T145611_20210407T150459_D001  Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T151503_20210407T15038_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T151806_20210407T150351_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T162440_20210407T162350_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T16240_20210407T162370_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163328_20210407T163250_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163328_20210407T163330_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163337_20210407T163338_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163335_20210407T163348_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163345_20210407T163345_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163435_20210407T163345_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163435_20210407T163934_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T170550_20210407T170520_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T173405_20210407T170520_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T173405_20210407T173805_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T173405_20210407T173805_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T180942_20210407T180585_D001 Loss of echo The tracking echo is missi	CS_OFFL_SIR_LRM_1B_20210407T145554_20210407T145554_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T151513_20210407T151513_0001  Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T151513_20210407T151531_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T162440_20210407T16240_001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T16240_20210407T163210_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163126_20210407T163230_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163237_00210407T163330_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163337_20210407T163330_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163337_20210407T163348_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163342_20010 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163432_20210407T163433_0010 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163432_20210407T163433_0010 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163435_20210407T17052_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T170150_20210407T170150_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T173405_20210407T173806_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T173405_20210407T178580_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T173405_20210407T178580_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T180942_20210407T18056_0001 Loss of echo The tracking echo is missing for one or more	CS_OFFL_SIR_LRM_1B_20210407T145557_20210407T145608_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T151832_0210407T152951_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T162140_20210407T162742_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163120_20210407T163210_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163232_0210407T163210_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163232_02010407T163250_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163332_02010407T163340_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163331_20210407T163342_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163331_20210407T163342_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163343_20010  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163435_D010407T163343_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163455_D010407T163561_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T170552_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T170520_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T170520_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T170520_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T170520_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T17180942_20210407T1809580_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1	CS_OFFL_SIR_LRM_1B_20210407T145611_20210407T145649_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T16326_20210407T1632742_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163126_20210407T163250_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T16328_20210407T16326_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T16328_20210407T163304_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163307_20210407T163304_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163307_20210407T163348_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163432_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163433_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163435_20210407T163433_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T163435_20210407T163435_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T17052_20010407T170522_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T17052_2010407T170522_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T17052_2010407T17052_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T173052_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T173052_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T173052_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T18052_D010407T180556_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210407T18052_D010407T183849_D001 Loss of e	CS_OFFL_SIR_LRM_1B_20210407T145652_20210407T150047_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T163240_20210407T163210_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T16328_20210407T163250_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163257_20210407T163340_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163337_20210407T163340_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163337_20210407T163343_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163343_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163422_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163435_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T16345_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T16345_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T17050_20210407T17050_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T17050_20210407T17050_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T173050_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T174211_20210407T180568_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T180562_20210407T180568_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T180562_20210407T180568_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T180562_20210407T180560_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T180562_20210407T180560_D001 Lo	CS_OFFL_SIR_LRM_1B_20210407T151513_20210407T151638_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20210407T163126_20210407T16325_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163238_20210407T163348_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163325_20210407T163348_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163342_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163435_20210407T163433_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163435_20210407T163433_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163435_20210407T163954_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T163456_20210407T17012_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T17052_20210407T17052_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T17052_20210407T17052_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T17306_D0110407T17052_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T17306_D0110407T17306_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T171805_20210407T18056_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T18052_20210407T18056_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T18052_20210407T18056_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210407T183847_20210407T18389_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_IB_20210	CS_OFFL_SIR_LRM_1B_20210407T151806_20210407T152951_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T163238_20210407T163250_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163307_20210407T163304_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163351_20210407T163342_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163424_20210407T163433_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163424_20210407T163433_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163425_20210407T163433_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T1763425_20210407T170121_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T170150_20210407T170121_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T170150_20210407T17052_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T173405_20210407T173050_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T173405_20210407T173055_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T18055_20210407T180956_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T181653_20210407T180956_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T183847_20210407T183849_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T183847_20210407T183849_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T183847_20210407T183849_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T183905_20210407T183943_D001 Loss of echo The track	CS_OFFL_SIR_LRM_1B_20210407T162440_20210407T162742_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210407T163257_20210407T163304_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163307_20210407T163348_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163424_20210407T163433_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163424_20210407T163433_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T163435_20210407T163954_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T170152_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T170152_2D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T170522_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T1734052_20210407T172850_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T174211_20210407T173926_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T174211_20210407T173926_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T180942_20210407T180958_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T181052_20210407T181640_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T183847_20210407T183849_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210407T183945_20210407T183943_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  T	CS_OFFL_SIR_LRM_1B_20210407T163126_20210407T163210_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T163307_20210407T163348_D001  CS_OFFL_SIR_LRM_1B_20210407T163351_20210407T163422_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163424_20210407T163433_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163435_20210407T163433_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T165456_20210407T170121_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T170150_20210407T170121_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T170150_20210407T170522_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T17050_20210407T170520_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T17050_20210407T17050_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T17050_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T180942_20210407T180956_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T181653_20210407T181640_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T183847_20210407T183849_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T183852_20210407T18399_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T183905_20210407T183917_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T183905_20210407T183917_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 missin	CS_OFFL_SIR_LRM_1B_20210407T163238_20210407T163250_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T163351_20210407T163432_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163433_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T163435_20210407T163954_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T165456_20210407T170121_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210407T170150_20210407T170522_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_20210407T17052_20210407T170525_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo	CS_OFFL_SIR_LRM_1B_20210407T163257_20210407T163304_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T163424_20210407T163435_D001  CS_OFFL_SIR_LRM_1B_20210407T163435_20210407T170121_D001  CS_OFFL_SIR_LRM_1B_20210407T163435_20210407T170121_D001  CS_OFFL_SIR_LRM_1B_20210407T170525_20210407T170522_D001  CS_OFFL_SIR_LRM_1B_20210407T170525_20210407T170525_D001  CS_OFFL_SIR_LRM_1B_20210407T170525_20210407T170525_D001  CS_OFFL_SIR_LRM_1B_20210407T170525_20210407T170525_D001  CS_OFFL_SIR_LRM_1B_20210407T170525_20210407T173056_D001  CS_OFFL_SIR_LRM_1B_20210407T173405_20210407T173056_D001  CS_OFFL_SIR_LRM_1B_20210407T173405_20210407T173056_D001  CS_OFFL_SIR_LRM_1B_20210407T174211_20210407T180558_D001  CS_OFFL_SIR_LRM_1B_20210407T174211_20210407T180558_D001  CS_OFFL_SIR_LRM_1B_20210407T180942_20210407T180956_D001  CS_OFFL_SIR_LRM_1B_20210407T181052_20210407T181050_D001  CS_OFFL_SIR_LRM_1B_20210407T181052_20210407T181757_D001  CS_OFFL_SIR_LRM_1B_20210407T181653_20210407T183849_D001  CS_OFFL_SIR_LRM_1B_20210407T183847_20210407T183859_D001  CS_OFFL_SIR_LRM_1B_20210407T183852_20210407T183859_D001  CS_OFFL_SIR_LRM_1B_20210407T183905_20210407T183917_D001  CS_OFFL_SIR_LRM_1B_20210407T183905_20210407T183943_D001  CS_OFFL_SIR_LRM_1B_20210407T183945_20210407T183943_D001  CS_OFFL_SIR_LRM_1B_20210407T183945_20210407T183943_D001  CS_OFFL_SIR_LRM_1B_20210407T183945_20210407T183943_D001  CS_OFFL_SIR_LRM_1B_20210407T183945_20210407T183943_D001  CS_OFFL_SIR_LRM_1B_20210407T183945_20210407T183945_D001  CS_OFFL_SIR_LRM_1B_20210407T183945_20210407T183945_D001  CS_OFFL_SIR_LRM_1B_20210407T183945_20210407T183945_D001  CS_OFFL_SIR_LRM_1B_20210407T183945_20210407T183945_D001  CS_OFFL_SIR_LRM_1B_20210407T183945_D001	CS_OFFL_SIR_LRM_1B_20210407T163307_20210407T163348_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20210407T192100_20210407T194854_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T194858_20210407T195009_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T195011_20210407T195022_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T195024_20210407T195027_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T195031_20210407T195032_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T195036_20210407T195313_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T195347_20210407T195550_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T210854_20210407T211821_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T211846_20210407T212346_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T212529_20210407T212619_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T212951_20210407T212953_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T212955_20210407T213109_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T213121_20210407T213150_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T213150_20210407T213240_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T213538_20210407T213550_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T215208_20210407T220128_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T230204_20210407T230603_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T230606_20210407T230707_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T230723_20210407T230911_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210407T232821_20210407T232921_D001	Loss of echo	The tracking echo is missing for one or more records

#### 4.5 L1B Calibration Usage Check

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

Number of products with errors: 0

### 4.6 L1B Auxilary Data File Usage Check

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

Number of products with errors:

#### 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_LRM_1B_20210407T210854_20210407T211821_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.

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:

53

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220210407T000221_20210407T000434_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_20210407T000434_20210407T000524_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_220210407T002828_20210407T005500_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20210407T011317_20210407T012545_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_220210407T012622_20210407T014327_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_20210407T020705_20210407T021642_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_20210407T021846_20210407T023420_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20210407T025014_20210407T030232_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_220210407T030713_20210407T031906_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_220210407T032130_20210407T032236_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20210407T034200_20210407T034627_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20210407T035810_20210407T041312_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_20210407T042637_20210407T045037_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_20210407T045040_20210407T045352_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_20210407T052750_20210407T054857_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_20210407T060559_20210407T063402_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20210407T070626_20210407T073223_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20210407T074556_20210407T082039_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20210407T084515_20210407T084650_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_20210407T085627_20210407T090256_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_20210407T092517_20210407T095855_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_20210407T101226_20210407T101353_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20210407T103147_20210407T105113_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_220210407T110422_20210407T112236_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_220210407T113444_20210407T113806_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_220210407T120321_20210407T122603_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_220210407T124439_20210407T125718_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_220210407T125839_20210407T125907_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_220210407T125909_20210407T130151_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_220210407T130632_20210407T131411_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_220210407T131445_20210407T131508_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_220210407T133349_20210407T135100_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_220210407T135250_20210407T140708_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_220210407T142333_20210407T143719_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_220210407T144059_20210407T145022_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_220210407T151806_20210407T152951_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_220210407T153525_20210407T154354_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_220210407T160307_20210407T161848_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_220210407T170150_20210407T170522_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_220210407T170525_20210407T172850_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_220210407T174211_20210407T180558_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_220210407T184022_20210407T190722_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_220210407T192100_20210407T194854_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_220210407T201253_20210407T204631_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_220210407T212529_20210407T212619_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_220210407T213637_20210407T213642_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_220210407T215208_20210407T220128_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_220210407T220332_20210407T222555_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_220210407T223904_20210407T225837_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_220210407T230606_20210407T230707_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_220210407T230723_20210407T230911_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_20210407T232821_20210407T232921_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records

Height Error (Retracker 2), Backscatter Error (Retracker 2)

There is a height and backscatter error for Retracker 2 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	194	194	194	0	0
SIR_SAR_1B	133	133	133	0	0
SIR_SIN_1B	104	104	104	0	0
SIR_LRM_2	194	194	193	1	0
SIR_SAR_2	104	132	132	0	0
SIR_SIN_2	132	104	100	4	0
SIR GDR 2	14	14	0	0	14

### 6.1 QCC Errors

Number of products with QCC errors:

1/

Product Type	MPHDUTNCDF	MPHXPFNCDF	MPHXVFNCDF	MPHYPFNCDF	MPHYVFNCDF	MPHZPFNCDF	MPHZVFNCDF	STRUCTURESIZ EANDREAD	•	-	-
SIR GDR 2	14	14	14	14	14	14	14	14			

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)			
STRUCTURESIZEANDR STRUCTURE_SIZE_AND_READ		Under investigation.			

### 6.2 QCC Warnings

Number of QCC reports with warnings

Total number of occur	rrences of (	each ۱	warnınd
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Product Type	AXDME	AXSMMEOCI	-	-	-	-	-
SIR_LRM_2_	0	1					
SIR SIN 2	4	0					

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

## 6.2 Missing QCC Reports

Number of products with missing QCC reports:

0