

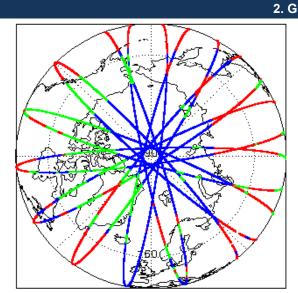
QA4EO Daily Report for OFFLINE data:

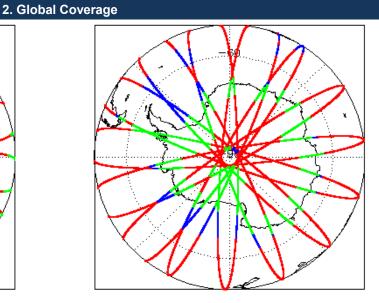
<u>04/02/2021</u>

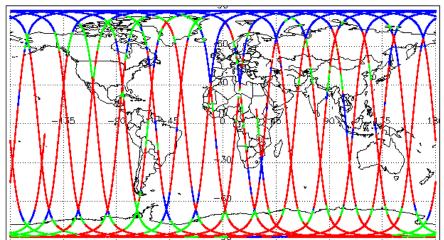
1. Overview

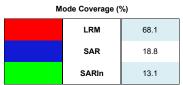
Banart Braduation Data	05-Mar-2021	Check	Status	
Report Production Date:	05-Mar-202 I	Server check: science-pds.cryosat.esa.int	Nominal	
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal	
Processor Used.	CryoSal ice Processor	Product Software Check	Nominal	
Data Used:		Product Format Check	Nominal	
	L1B and L2 OFFLINE Data	Product Header Analysis	Nominal	
		Star Tracker Usage Check	Nominal	
		L1B Tracking Flag Check	See Section 4.4	
		L1B Calibration Usage Check	Nominal	
		L1B & L2 Auxiliary Data File Usage Check	Nominal	
		L1B & L2 Auxiliary Correction Error Check	Nominal	
		L1B & L2 Measurement Confidence Data Check	See Section 4.8 and 5.5	
		QCC Errors/ Warnings	See Section 6.1, 6.2 and 6.3	

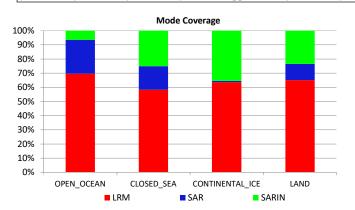
Mission / Instru	Mission / Instrument News				
03-Feb-2021	None				
04-Feb-2021	None				
05-Feb-2021	Nothing planned				

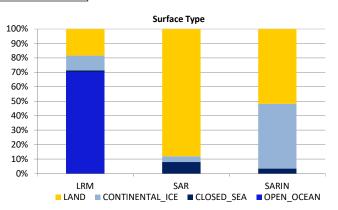












3. Instrument Configuration

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:

4.3 Star Tracker Usage Check

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

Number of products with errors:

4.4 L1B Tracking Flags Check

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

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

126

Number of products with errors:

Corr, SH, LMM, 18, 20210001100378, 20210001100378, 20210001100478, 202100011004789, 202100011004789, 202100011004789, 202100011004789, 202100011004789, 200100011004789, 202100011004789, 20010001100489, 20010001100489, 20010001100489, 20010001100489, 200100011004789, 200100011004789, 200100011004789, 200100011004789, 200100011004789, 200100011004789, 200100011004789, 200100011004789, 200100011004789, 200100011004789, 200100011004789, 200100011004789, 200100011004789, 200100011004789, 200100011004789, 200100011004789, 200100011004789, 200100011004789, 200100011004789, 20010001100589, 20010001100489, 20010001100489, 20010001100589, 2001000100589, 20010001100589, 20010001100589, 2	Product	Test Failed	Description
Sc. OFFL SR. LRM. 18. 2201024100479. 22010201100479. D001 Loss of echo The tracking echo is missing for one or more records. Sc. OFFL SR. LLM. 18. 22010201100479. 22012001100559. D001 Loss of echo The tracking echo is missing for one or more records. Sc. OFFL SR. LLM. 18. 220102011001059. 22012001100559. D001 Loss of echo The tracking echo is missing for one or more records. Sc. OFFL SR. LLM. 18. 220102011001005. 20112010110055. D001 Loss of echo The tracking echo is missing for one or more records. Sc. OFFL SR. LLM. 18. 220102011001007. 20112010110055. D001 Loss of echo The tracking echo is missing for one or more records. Sc. OFFL SR. LLM. 18. 220102011020712. 20112011120541. D001 Loss of echo The tracking echo is missing for one or more records. Sc. OFFL SR. LLM. 18. 22010201102573. 2201201102541. D001 Loss of echo The tracking echo is missing for one or more records. Sc. OFFL SR. LLM. 18. 22010201102573. 2201201102541. D001 Loss of echo The tracking echo is missing for one or more records. Sc. OFFL SR. LLM. 18. 22010201102573. 2201201102541. D001 Loss of echo The tracking echo is missing for one or more records. Sc. OFFL SR. LLM. 18. 220102011025742. 2201202110331. D001 Loss of echo The tracking echo is missing for one or more records. Sc. OFFL SR. LLM. 18. 22010201102582. 2201202110331. D001 Loss of echo The tracking echo is missing for one or more records. Sc. OFFL SR. LM. 18. 22010201103582. 2201202110331	CS_OFFL_SIR_LRM_1B_20210204T003736_20210204T004132_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SRL LRW_18_202102017004754_0201004700491_0001 Loss of echo The tracking echo is messing for one or more records CS_OFFL_SRL_RW_18_202102017004702470_201001700545_D001 Loss of echo The tracking echo is messing for one or more records CS_OFFL_SRL_RW_18_202102017004702274_201004702254_D001 Loss of echo The tracking echo is messing for one or more records CS_OFFL_SRL_RW_18_20210020170277_201004702274_201004702274_D001 Loss of echo The tracking echo is messing for one or more records CS_OFFL_SRL_RW_18_202100201702774_201004702744_D001 Loss of echo The tracking echo is messing for one or more records CS_OFFL_SRL_RW_18_202100201702774_201004702744_D001 Loss of echo The tracking echo is messing for one or more records CS_OFFL_SRL_RW_18_20210001702774_2010047102744_D001 Loss of echo The tracking echo is messing for one or more records CS_OFFL_SRL_RW_18_20210001703730_2010001703730_D001 Loss of echo The tracking echo is messing for one or more records CS_OFFL_SRL_RW_18_20210001703730_2010001703740_D001 Loss of echo The tracking echo is messing for one or more records CS_OFFL_SRL_RW_18_20210001703740_2010001703740_D001 Loss of echo The tracking echo is messing for one or more records CS_OFFL_SRL_RW_18_202100017047470_20100017047470_D001 Loss of echo The tracking echo is messing for one or more records	CS_OFFL_SIR_LRM_1B_20210204T004238_20210204T004607_D001	Loss of echo	The tracking echo is missing for one or more records
CS_0FTL_SR_LIM_18_2221024T054801_0231024T034914_D001 Less of exho The tracking exho is missing for one or more records CS_0FTL_SR_LIM_18_221024T03552_201024T02555_D001 Less of exho The tracking exho is missing for one or more records CS_0FTL_SR_LIM_18_221024T02573_201024T02537_201024T02532_D001 Less of exho The tracking exho is missing for one or more records CS_0FTL_SR_LIM_18_221024T02573_201024T02574_D001 Less of exho The tracking exho is missing for one or more records CS_0FTL_SR_LIM_18_2021024T02574_2021024T02574_D001 Less of exho The tracking exho is missing for one or more records CS_0FTL_SR_LIM_18_2021024T02574_2021024T02574_D001 Less of exho The tracking exho is missing for one or more records CS_0FTL_SR_LIM_18_2021024T02574_2021024740530_D010 Less of exho The tracking exho is missing for one or more records CS_0FTL_SR_LIM_18_2021024T02578_2021024T04533_2010001 Less of exho The tracking exho is missing for one or more records CS_0FTL_SR_LIM_18_2021024T04583_2021024T04533_201001 Less of exho The tracking exho is missing for one or more records CS_0FTL_SR_LIM_18_2021024T04583_2021024T04573_2001 Less of exho The tracking exho is missing for one or more records CS_0FTL_SR_LIM_18_2021024T04583_2021024T04573_2001 Less of exho The tracking exho is missing for one or more records CS_0FTL_SR_LIM_18_2021024T04573_2021024T04573_2001 Less of exho The tracking exho is missing for one or more	CS_OFFL_SIR_LRM_1B_20210204T004707_20210204T004750_D001	Loss of echo	The tracking echo is missing for one or more records
C3_0FFL_SR_LRM_18_2021020T10053_2021020T400558_D001 Loss of exbo The tracking exbo is missing for one or more records C3_0FFL_SR_LRM_18_2021020T10253_2021020T102554_D001 Loss of exbo The tracking exbo is missing for one or more records C3_0FFL_SR_LRM_18_2021020T102574_2021020T102574_D001 Loss of exbo The tracking exbo is missing for one or more records C3_0FFL_SR_LRM_18_2021020T102574_2021020T102574_D001 Loss of exbo The tracking exbo is missing for one or more records C3_0FFL_SR_LRM_18_2021020T102576_2021020T102574_D001 Loss of exbo The tracking exbo is missing for one or more records C3_0FFL_SR_LRM_18_2021020T102576_2021020T102576_D001 Loss of exbo The tracking exbo is missing for one or more records C3_0FFL_SR_LRM_18_2021020T102576_2021020T102576_D001 Loss of exbo The tracking exbo is missing for one or more records C3_0FFL_SR_LRM_18_2021020T104586_2021020T104585_D001 Loss of exbo The tracking exbo is missing for one or more records C3_0FFL_SR_LRM_18_2021020T104586_2021020T104585_D001 Loss of exbo The tracking exbo is missing for one or more records C3_0FFL_SR_LRM_18_2021020T104586_2021020T104585_D001 Loss of exbo The tracking exbo is missing for one or more records C3_0FFL_SR_LRM_18_2021020T104587_2021020T104587_D001 Loss of exbo The tracking exbo is missing for one or more records C3_0FFL_SR_LRM_18_2021020T104577_2021020T104587_D001 Loss of exbo The tracking exbo is missing for one	CS_OFFL_SIR_LRM_1B_20210204T004754_20210204T004759_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LRM_1B_20210241701033_20210241701035_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_202102417022417_202102017022342_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_202102017022342_D011023524_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210201702745_D01201702745_D0110201702745_D011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210201702759_D01201702745_D0110201703750_D011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210201703750_D012001703750_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_202102017043730_D0101 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_202102017043730_D011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_202102017043730_2021020170437310_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_202102017043730_202102017043732_D0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_202102017045420_20210201704372_D0011 Loss of exho The tracking exho is missing for one or more records <	CS_OFFL_SIR_LRM_1B_20210204T004801_20210204T004914_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LRM_1B_20210241702247_20210241702352_D0101 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210241702371_20210241702352_D0101 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210241702371_02210201702354_D0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210201702568_20210201702541_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210201702568_20210201703531_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210201704583_202102017043530_D0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_202102017043630_202102017043705_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_202102017043703_202102017043725_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_202102017043730_202102017043735_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_202102017043730_202102017043735_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_202102017043730_202102017043735_D001 Loss of exho The tracking exho is missing for one or more records <t< td=""><td>CS_OFFL_SIR_LRM_1B_20210204T005428_20210204T005548_D001</td><td>Loss of echo</td><td>The tracking echo is missing for one or more records</td></t<>	CS_OFFL_SIR_LRM_1B_20210204T005428_20210204T005548_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_2021024/T023037_2021024/T023522_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024/T025716_2021024/T025745_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024/T025756_2021024/T025745_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024/T02576_2021024/T02558_2021024/T03333_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024/T02558_2021024/T03533_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024/T04536_2021024/T04536_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024/T04536_2021024/T045370_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024/T04578_2021024/T04578_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024/T04578_2021024/T04578_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024/T04578_2021024/T04578_2001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024/T04578_2021024/T04578_2001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024/T04557_201024/T04578_2001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024/T04556_201024/T05176_2001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20	CS_OFFL_SIR_LRM_1B_20210204T010033_20210204T010055_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202102417025716_202102417025745_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202102417025750_202102417025745_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202102417025750_20210241702581_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202102417043503_202102417043503_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202102417043503_20210241704350_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202102417043503_20210241704370_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202102417043708_D2010241704371_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202102417043721_20210241704372_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202102417044708_202102417044708_2D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202102417044708_202102417044708_2D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202102417044708_202102417044708_2D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202102417044708_202102417044708_2D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202102417044708_202102417044708_2D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM	CS_OFFL_SIR_LRM_1B_20210204T022247_20210204T022854_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LEM_18_20210204T025749_20210204T025748_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20210204T025750_20210204T025574_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20210204T025562_20210204T03333_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20210204T043633_20210204T043630_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20210204T043638_20210204T04378_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20210204T043708_20210204T043719_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20210204T043738_20210204T043738_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20210204T044738_20210204T045321_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20210204T045552_20210204T045522_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20210204T065422_20210204T05542_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20210204T065422_20210204T055470_D001 Loss of echo The	CS_OFFL_SIR_LRM_1B_20210204T023037_20210204T023522_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LEM_18_20210204T02575_20210204T02584_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20210204T043542_20210204T04353_D0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20210204T043542_20210204T04353_D0010Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20210204T043542_2021024T043705_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20210204T043705_2021024T043705_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20210204T043703_2021024T04372_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20210204T043730_2021024T04372_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20210204T043730_2021024T04372_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20210204T045057_2021024T045052_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20210204T045057_2021024T045052_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20210204T05657_2021024T05557_201001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20210204T06572_2021024T05572_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20210204T06578_2021024T05572_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20210204T06578_	CS_OFFL_SIR_LRM_1B_20210204T025718_20210204T025741_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210204T025958_20210204T033331_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T04383_20210204T04383_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T043835_20210204T043705_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T043705_20210204T043705_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T043705_20210204T043735_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T04373_2021024T043735_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T04373_2021024T043821_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T045057_2021024T045052_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021020T0450597_20210204T06552_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021020T051592_D021020T051249_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021020T051592_D021020T05159_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021020T061592_D021020T061592_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021020T061759_2021020T061592_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T0615	CS_OFFL_SIR_LRM_1B_20210204T025745_20210204T025748_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210204T04369_02012024T043630_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T043633_2021024T043750_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T043708_2021024T043710_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T043730_2021024T043710_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T04373_2021024T04373_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T04373_2021024T04372_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T04372_2021024T04322_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T04555_2021024T05322_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T05552_2021024T05324_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T05552_2021024T05324_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T054052_2021024T0532_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T054052_2021024T051752_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T0541542_2021024T051752_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T061542_2021024T061542_D001	CS_OFFL_SIR_LRM_1B_20210204T025750_20210204T025841_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_2021024T043633_2021024T043705_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024T043782_2021024T04379_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024T043792_12021024T04379_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024T043793_2021024T043793_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024T04373_2021024T04392_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024T04555_2021024T045023_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024T045554_2021024T051249_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024T05554_2021024T053916_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024T05432Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024T05432Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024T05432Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024T05432Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024T061479_2021024T0614752_001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024T061479_2021024T0614752_001Loss of echoThe tracking echo is missing for one or more re	CS_OFFL_SIR_LRM_1B_20210204T025958_20210204T033331_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_2021024T043786_2021024T043775_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T043781_2021024T043771_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T043731_2021024T043732_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T043732_D021024T043373_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T043738_2021024T043532_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T045057_2021024T045052_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T045057_2021024T045052_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T045052_2021024T054322_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T054532_2021024T054532_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T064532_2021024T065762_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T061749_2021024T06176170_D01Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T0616792_2021024T061815_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T061697_2021024T061815_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021024T061907_20210	CS_OFFL_SIR_LRM_1B_20210204T043549_20210204T043630_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_2021024T043708_2021024T043712_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024T043721_2021024T043735_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2021024T043732_0201204T043735_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T044308_20210204T044308_2010204T044308_201004T04555_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T04408_02010204T04555_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T045057_2021024T0552917_2021024T053216_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T05452917_2021024T05432_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T054536_20210240T05436_20201024T056706_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061432_20210240T061747_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061432_20210240T061747_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061957_0201204T061950_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061957_2021024T061950_201024T061950_201024T061950_201024T061950_201024T061950_201024T061950_201024T061950_201024T061950_201024T061950_201024T061950_201024T061950_201024T061950_201024T061950_201024T061950_201024T061950_201024T061950_201024T061950_20	CS_OFFL_SIR_LRM_1B_20210204T043633_20210204T043634_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210204T043721_20210204T043735_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T043738_20210204T043735_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T043738_20210204T043023_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T044508_20210204T045552_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T045524_20210204T05552_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T045524_20210204T051249_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T051291_20210204T051249_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T054536_20210204T054560_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061432_20210204T061747_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061432_20210204T061550_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T0616452_20210204T061552_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T0616452_20210204T061910_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061958_20210204T061912_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LR	CS_OFFL_SIR_LRM_1B_20210204T043636_20210204T043705_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210204T04373_0210204T043735_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T044208_20210204T045023_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T045057_20210204T045052_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T045054_20210204T045052_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T054554_20210204T053916_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T05452_20210204T054322_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T05432_2010204T054322_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T064542_20210204T065706_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061749_20210204T061747_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061749_20210204T061747_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061769_20210204T061910_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061925_20210204T061923_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061925_20210204T061925_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2	CS_OFFL_SIR_LRM_1B_20210204T043708_20210204T043719_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210204T04373_20210204T043623_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T045057_20210204T045052_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T045054_20210204T045552_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T04505917_20210204T055916_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T05422_20210204T054322_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T054536_20210204T054322_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T054536_20210204T054522_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061452_20210204T061747_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061759_20210204T061756_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061759_20210204T061851_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061952_0210204T061910_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061992_20210204T061923_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061932_2010204T061923_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1	CS_OFFL_SIR_LRM_1B_20210204T043721_20210204T043727_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T044208_20210204T045052_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T045554_20210204T045552_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T05594_20210204T05594_20210204T053916_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T05432_20210204T05432_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T05432_20210204T05432_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061432_20210204T061432_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061432_20210204T061749_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061759_D0210204T061759_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061759_D0210204T06159_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061919_D0210204T061910_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061912_D0210204T061912_D0101Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061912_D01204T061912_D0101Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061932_D011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202	CS_OFFL_SIR_LRM_1B_20210204T043730_20210204T043735_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T045057_20210204T045552_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T05554_20210204T055916_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T052917_20210204T053916_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T05436_20210204T054322_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T05436_20210204T05576_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061432_20210204T061747_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061576_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061576_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061582_20210204T061917_001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061907_20210204T061910_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061917_20210204T061923_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061928_20210204T061923_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061928_20210204T061935_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061958_2010204T061935_D0	CS_OFFL_SIR_LRM_1B_20210204T043738_20210204T043821_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T045554_20210204T051249_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T0552017_20210204T053916_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T054022_20210204T054322_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T054536_20210204T055706_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061432_20210204T061747_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061749_20210204T061756_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061759_20210204T061915_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061858_20210204T061901_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061917_20210204T0619123_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061917_20210204T061923_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T0619125_20210204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T0619125_20210204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061935_20210204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR	CS_OFFL_SIR_LRM_1B_20210204T044208_20210204T045023_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210204T052917_20210204T053916_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T054362_20210204T054352_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061432_20210204T061747_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061749_20210204T061756_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061759_20210204T061756_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061759_20210204T061851_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061907_20210204T061901_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061907_20210204T061912_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061917_20210204T061923_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061928_20210204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061935_20210204T061955_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T061958_20210204T062036_2010204T062037_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210204T0619052_0210204T062307_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210204T045057_20210204T045552_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T054022_20210204T054322_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T064536_20210204T06776_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061432_20210204T061747_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061749_20210204T061756_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061759_20210204T061851_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061905_20210204T061901_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061907_20210204T061910_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061917_20210204T061923_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061925_20210204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061932_D011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061932_20210204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061932_20210204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061932_20210204T062030_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T0620	CS_OFFL_SIR_LRM_1B_20210204T045554_20210204T051249_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T05436_20210204T065706_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061432_20210204T061747_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061749_20210204T061756_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061759_20210204T061851_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061858_20210204T061901_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061907_20210204T061910_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061917_20210204T061910_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061917_20210204T061923_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061925_20210204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061932_2001204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061935_20210204T061955_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061958_20210204T06208_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061958_20210204T062307_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B	CS_OFFL_SIR_LRM_1B_20210204T052917_20210204T053916_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T061432_20210204T061747_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061749_20210204T061756_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061759_20210204T061851_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061858_20210204T061951_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061907_20210204T061901_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061917_20210204T061910_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061917_20210204T061923_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061925_20210204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061935_20210204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061935_20210204T061935_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061935_20210204T061955_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062008_20210204T062307_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062039_20210204T062312_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM	CS_OFFL_SIR_LRM_1B_20210204T054022_20210204T054322_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T061749_20210204T061756_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061759_20210204T061851_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061858_20210204T061901_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061907_20210204T061910_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061917_20210204T061923_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061925_20210204T061925_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061928_20210204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061935_20210204T061935_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061935_20210204T061935_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061958_20210204T062006_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062008_20210204T062307_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062309_20210204T062312_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T062332_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM	CS_OFFL_SIR_LRM_1B_20210204T054536_20210204T055706_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T061759_20210204T061851_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061858_20210204T061901_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061907_20210204T061910_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061917_20210204T061923_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061925_20210204T061926_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061928_20210204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061935_20210204T061935_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061935_20210204T061955_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061958_20210204T06206_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T06208_20210204T062030_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062030_20210204T062312_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T062312_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1	CS_OFFL_SIR_LRM_1B_20210204T061432_20210204T061747_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T061858_20210204T061901_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061907_20210204T061910_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061917_20210204T061923_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061925_20210204T061926_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061928_20210204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061935_20210204T061935_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061935_20210204T061955_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061955_20210204T062307_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062309_20210204T062312_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T062312_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T070708_20210204T070708_20210204T070708_20210204T070708_20210204T070708_20210204T070708_20210204T070708_20210204T070708_20210204T070708_20210204T070708_20210204T070708_20210204T070708_20210204T070708_20210204T07708_20210204T07708_20210204T0770708_20210204T0770708_20210204T07708_20210204T07708_2021	CS_OFFL_SIR_LRM_1B_20210204T061749_20210204T061756_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T061907_20210204T061910_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061917_20210204T061923_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061925_20210204T061926_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061928_20210204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061935_20210204T061955_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061958_20210204T061955_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061958_20210204T062006_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T06208_20210204T062307_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062309_20210204T06323_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T070708_20120204T072622_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1	CS_OFFL_SIR_LRM_1B_20210204T061759_20210204T061851_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T061917_20210204T061923_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061925_20210204T061926_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061928_20210204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061935_20210204T061955_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061958_20210204T062006_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T06208_20210204T062307_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062309_20210204T062312_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062309_20210204T062312_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T070708_20120204T072622_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210204T061858_20210204T061901_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T061925_20210204T061926_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061928_20210204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061935_20210204T061955_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061958_20210204T062006_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T06208_20210204T062307_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062309_20210204T062312_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T06232_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T06232_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T070708_20120204T072622_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210204T061907_20210204T061910_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T061928_20210204T061932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061935_20210204T061955_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061958_20210204T062006_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062008_20210204T062307_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062309_20210204T062312_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T06523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T06523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T070708_20210204T072622_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T070708_20210204T072622_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210204T061917_20210204T061923_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T061935_20210204T061955_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T061958_20210204T062006_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062008_20210204T062307_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062309_20210204T062312_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T070708_20210204T072622_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T070708_20210204T072622_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210204T061925_20210204T061926_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T061958_20210204T062006_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062008_20210204T062307_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062309_20210204T062312_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T070708_20210204T072622_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210204T061928_20210204T061932_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T062008_20210204T062307_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062309_20210204T062312_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T070708_20210204T072622_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T070708_20210204T072622_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210204T061935_20210204T061955_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T062309_20210204T062312_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T070708_20210204T072622_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210204T070708_20210204T072622_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210204T061958_20210204T062006_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210204T070708_20210204T072622_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210204T062008_20210204T062307_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T070708_20210204T072622_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210204T062309_20210204T062312_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20210204T062314_20210204T063523_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T072626_20210204T072915_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210204T070708_20210204T072622_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20210204T072626_20210204T072915_D001	Loss of echo	The tracking echo is missing for one or more records

CS OFFL SIR LRM 1B 20210204T073045 20210204T073901 D001 CS OFFL SIR LRM 1B 20210204T074149 20210204T074216 D001 CS OFFL SIR LRM 1B 20210204T075302 20210204T075815 D001 CS_OFFL_SIR_LRM_1B_20210204T075819_20210204T075851_D001 CS OFFL SIR LRM 1B 20210204T075853 20210204T075905 D001 CS_OFFL_SIR_LRM_1B_20210204T075907_20210204T075909_D001 CS OFFL SIR LRM 1B 20210204T075911 20210204T075914 D001 CS OFFL SIR LRM 1B 20210204T075918 20210204T075942 D001 CS_OFFL_SIR_LRM_1B_20210204T075945_20210204T075950_D001 CS OFFL SIR LRM 1B 20210204T075953 20210204T080012 D001 CS OFFL SIR LRM 1B 20210204T080015 20210204T080033 D001 CS OFFL SIR LRM 1B 20210204T080035 20210204T080036 D001 CS_OFFL_SIR_LRM_1B_20210204T080040_20210204T080057_D001 CS_OFFL_SIR_LRM_1B_20210204T080159_20210204T080238_D001 CS OFFL SIR LRM 1B 20210204T083429 20210204T083806 D001 CS_OFFL_SIR_LRM_1B_20210204T084413_20210204T091054_D001 CS_OFFL_SIR_LRM_1B_20210204T091056_20210204T091106_D001 CS_OFFL_SIR_LRM_1B_20210204T091109_20210204T091210_D001 CS_OFFL_SIR_LRM_1B_20210204T091214_20210204T091313_D001 CS_OFFL_SIR_LRM_1B_20210204T093417_20210204T093553_D001 CS_OFFL_SIR_LRM_1B_20210204T093607_20210204T094255_D001 CS OFFL SIR LRM 1B 20210204T094420 20210204T101037 D001 CS OFFL SIR LRM 1B 20210204T111440 20210204T111739 D001 CS_OFFL_SIR_LRM_1B_20210204T111812_20210204T112003_D001 CS OFFL SIR LRM 1B 20210204T112054 20210204T112700 D001 CS_OFFL_SIR_LRM_1B_20210204T112705_20210204T112832_D001 CS_OFFL_SIR_LRM_1B_20210204T112857_20210204T113853_D001 CS OFFL SIR LRM 1B 20210204T115213 20210204T115755 D001 CS OFFL SIR LRM 1B 20210204T125632 20210204T125758 D001 CS OFFL SIR LRM 1B 20210204T125809 20210204T125916 D001 CS OFFL SIR LRM 1B 20210204T130235 20210204T130355 D001 CS_OFFL_SIR_LRM_1B_20210204T130538_20210204T131021_D001 CS OFFL SIR LRM 1B 20210204T131027 20210204T133014 D001 CS_OFFL_SIR_LRM_1B_20210204T141803_20210204T141925_D001 CS OFFL SIR LRM 1B 20210204T144127 20210204T144605 D001 CS_OFFL_SIR_LRM_1B_20210204T144644_20210204T150459_D001 CS OFFL SIR LRM 1B 20210204T155703 20210204T155738 D001 CS_OFFL_SIR_LRM_1B_20210204T155740_20210204T155826_D001 CS_OFEL_SIR_LRM_1B_20210204T155832_20210204T155929_D001 CS OFFL SIR LRM 1B 20210204T163109 20210204T164425 D001 CS OFFL SIR LRM 1B 20210204T165305 20210204T165503 D001 CS OFFL SIR LRM 1B 20210204T170142 20210204T171727 D001 CS_OFFL_SIR_LRM_1B_20210204T173216_20210204T173327_D001 CS_OFFL_SIR_LRM_1B_20210204T173331_20210204T173334_D001 CS OFFL SIR LRM 1B 20210204T173339 20210204T173340 D001 CS_OFFL_SIR_LRM_1B_20210204T173344_20210204T173345_D001 CS_OFFL_SIR_LRM_1B_20210204T173347_20210204T173421_D001 CS_OFFL_SIR_LRM_1B_20210204T173424_20210204T173439_D001 CS OFFL SIR LRM 1B 20210204T173441 20210204T173535 D001 CS_OFFL_SIR_LRM_1B_20210204T173538_20210204T173915_D001 CS_OFFL_SIR_LRM_1B_20210204T175650_20210204T180810_D001 CS_OFFL_SIR_LRM_1B_20210204T181335_20210204T181530_D001 CS OFFL SIR LRM 1B 20210204T181540 20210204T181557 D001 CS_OFFL_SIR_LRM_1B_20210204T181559_20210204T181621 D001 CS OFFL SIR LRM 1B 20210204T181625 20210204T182243 D001 CS_OFFL_SIR_LRM_1B_20210204T183125_20210204T183430_D001 CS OFFL SIR LRM 1B 20210204T190448 20210204T190553 D001 CS OFFL SIR LRM 1B 20210204T190915 20210204T190918 D001 CS_OFFL_SIR_LRM_1B_20210204T190921_20210204T191059_D001 CS OFFL SIR LRM 1B 20210204T191102 20210204T191141 D001 CS_OFFL_SIR_LRM_1B_20210204T191144_20210204T191238_D001 CS_OFFL_SIR_LRM_1B_20210204T191240_20210204T191247_D001 CS OFFL SIR LRM 1B 20210204T191249 20210204T191321 D001 CS_OFFL_SIR_LRM_1B_20210204T191323_20210204T191350_D001

Loss of echo l oss of echo Loss of echo l oss of echo Loss of echo l oss of echo Loss of echo l oss of echo Loss of echo

The tracking echo is missing for one or more records The tracking echo is missing for one or more records

CS OFFL SIR LRM 1B 20210204T191352 20210204T191446 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T191449_20210204T191507_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T191509_20210204T191519_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T191521_20210204T191857_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T193430_20210204T194140_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T194212_20210204T200716_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T200940_20210204T201157_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T201159_20210204T201805_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T202016_20210204T204633_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T204955_20210204T205429_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T211136_20210204T211521_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T211734_20210204T211815_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T211817_20210204T211914_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T211917_20210204T214603_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T215903_20210204T222620_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T222622_20210204T222707_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T222709_20210204T222710_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T223001_20210204T223134_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T223207_20210204T223214_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T223214_20210204T223444_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210204T234911_20210204T235343_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: 0

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a product file (.DBL). Number of products with errors: 0

5.2 L2 Product Header Analysis

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

Number of products with errors:

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.

54

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_220210203T234110_20210204T001543_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_220210204T010439_20210204T010719_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_220210204T012107_20210204T012940_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_220210204T013225_20210204T015506_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_220210204T020717_20210204T022059_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_220210204T022247_20210204T022854_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_220210204T023037_20210204T023522_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_220210204T025958_20210204T033331_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_220210204T035138_20210204T042235_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_220210204T044208_20210204T045023_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_220210204T045057_20210204T045552_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_220210204T045554_20210204T051249_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_220210204T052917_20210204T053916_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_220210204T054536_20210204T055706_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_220210204T055852_20210204T060028_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210204T062314_20210204T063523_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_220210204T070708_20210204T072622_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_220210204T072626_20210204T072915_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_220210204T073045_20210204T073901_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_220210204T074149_20210204T074216_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_220210204T075945_20210204T075950_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210204T080805_20210204T083127_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_220210204T084413_20210204T091054_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_220210204T093417_20210204T093553_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_220210204T093607_20210204T094255_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records

CS_OFFL_SIR_LRM_220210204T094420_20210204T101037_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_220210204T102353_20210204T105810_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_220210204T112054_20210204T112700_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_220210204T112857_20210204T113853_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_220210204T115213_20210204T115755_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210204T120316_20210204T123703_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_220210204T125809_20210204T125916_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_220210204T131027_20210204T133014_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_20210204T134208_20210204T141712_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_220210204T143058_20210204T143114_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_20210204T144127_20210204T144605_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_220210204T144644_20210204T150459_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_220210204T152247_20210204T155238_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_220210204T155703_20210204T155738_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210204T161150_20210204T163025_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_220210204T163109_20210204T164425_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_220210204T163109_20210204T164425_D001 CS_OFFL_SIR_LRM_220210204T170142_20210204T171727_D001	(Retracker 3), Backscatter Error	
	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_220210204T170142_20210204T171727_D001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_220210204T170142_20210204T171727_D001 CS_OFFL_SIR_LRM_2_20210204T171930_20210204T172852_D001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_220210204T170142_20210204T171727_D001 CS_OFFL_SIR_LRM_2_20210204T171930_20210204T172852_D001 CS_OFFL_SIR_LRM_2_20210204T175650_20210204T180810_D001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records 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_220210204T170142_20210204T171727_D001 CS_OFFL_SIR_LRM_2_20210204T171930_20210204T172852_D001 CS_OFFL_SIR_LRM_2_20210204T175650_20210204T180810_D001 CS_OFFL_SIR_LRM_2_20210204T181335_20210204T181530_D001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Backscatter	for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220210204T170142_20210204T171727_D001 CS_OFFL_SIR_LRM_220210204T171930_20210204T172852_D001 CS_OFFL_SIR_LRM_220210204T175650_20210204T180810_D001 CS_OFFL_SIR_LRM_2_20210204T181335_20210204T181530_D001 CS_OFFL_SIR_LRM_2_20210204T184101_20210204T185559_D001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220210204T170142_20210204T171727_D001 CS_OFFL_SIR_LRM_220210204T171930_20210204T172852_D001 CS_OFFL_SIR_LRM_220210204T175650_20210204T180810_D001 CS_OFFL_SIR_LRM_220210204T181335_20210204T181530_D001 CS_OFFL_SIR_LRM_220210204T184101_20210204T185559_D001 CS_OFFL_SIR_LRM_220210204T191144_20210204T191238_D001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Backscatter	for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220210204T170142_20210204T171727_D001 CS_OFFL_SIR_LRM_2_20210204T171930_20210204T172852_D001 CS_OFFL_SIR_LRM_2_20210204T175650_20210204T180810_D001 CS_OFFL_SIR_LRM_2_20210204T181335_20210204T181530_D001 CS_OFFL_SIR_LRM_2_20210204T184101_20210204T185559_D001 CS_OFFL_SIR_LRM_2_20210204T191144_20210204T191238_D001 CS_OFFL_SIR_LRM_2_20210204T193430_20210204T194140_D001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Backscatter Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Backscatter Error (Retracker 2), Backscatter Height Error (Retracker 2), Backscatter	for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220210204T170142_20210204T171727_D001 CS_OFFL_SIR_LRM_2_20210204T171930_20210204T172852_D001 CS_OFFL_SIR_LRM_2_20210204T175650_20210204T180810_D001 CS_OFFL_SIR_LRM_2_20210204T181335_20210204T181530_D001 CS_OFFL_SIR_LRM_2_20210204T184101_20210204T185559_D001 CS_OFFL_SIR_LRM_2_20210204T191144_20210204T191238_D001 CS_OFFL_SIR_LRM_2_20210204T193430_20210204T194140_D001 CS_OFFL_SIR_LRM_2_20210204T194212_20210204T194140_D001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error Surface Model Unavailable Height Error (Retracker 2), Backscatter Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Burface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Backscatter Pror (Retracker 2) Backscatter Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2	for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220210204T170142_20210204T171727_D001 CS_OFFL_SIR_LRM_2_20210204T171930_20210204T172852_D001 CS_OFFL_SIR_LRM_2_20210204T175650_20210204T180810_D001 CS_OFFL_SIR_LRM_2_20210204T181335_20210204T181530_D001 CS_OFFL_SIR_LRM_2_20210204T184101_20210204T185559_D001 CS_OFFL_SIR_LRM_2_20210204T191144_20210204T191238_D001 CS_OFFL_SIR_LRM_2_20210204T193430_20210204T194140_D001 CS_OFFL_SIR_LRM_2_20210204T194212_20210204T194140_D001 CS_OFFL_SIR_LRM_2_20210204T194212_20210204T200716_D001 CS_OFFL_SIR_LRM_2_20210204T202016_20210204T204633_D001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Backscatter 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Height Error (Retracker 2), Backscatter Height Error (Retracker 2), Backscatter	for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220210204T170142_20210204T171727_D001 CS_OFFL_SIR_LRM_220210204T171930_20210204T172852_D001 CS_OFFL_SIR_LRM_220210204T175650_20210204T180810_D001 CS_OFFL_SIR_LRM_220210204T181335_20210204T181530_D001 CS_OFFL_SIR_LRM_220210204T184101_20210204T185559_D001 CS_OFFL_SIR_LRM_220210204T191144_20210204T191238_D001 CS_OFFL_SIR_LRM_2_20210204T19144_20210204T191238_D001 CS_OFFL_SIR_LRM_2_20210204T193430_20210204T191440_D001 CS_OFFL_SIR_LRM_2_20210204T194212_20210204T1904140_D001 CS_OFFL_SIR_LRM_2_20210204T194212_20210204T200716_D001 CS_OFFL_SIR_LRM_2_20210204T205559_20210204T205630_D001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Backscatter 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2),	for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records

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

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	195	195	195	0	0
SIR_SAR_1B	108	108	108	0	0
SIR_SIN_1B	108	108	108	0	0
SIR_LRM_2	195	195	191	4	0
SIR_SAR_2	108	108	108	0	0
SIR_SIN_2	108	108	106	2	0
SIR_GDR_2	15	15	0	0	15

6.1 QCC Errors

Number of products with QCC errors:

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

15

1

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

6.2 QCC Warnings

Number of QCC reports with warnings 7									
Total number of occurrences of each warning									
Product Type	AXDME	AXDME AXSMMEOCI							
SIR_GDR_2_	0	1							
SIR_LRM_2_	0	4							
		,							
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:

Product name

CS_OFFL_SIR_GDR_2__20210204T235619_20210205T013534_D002