

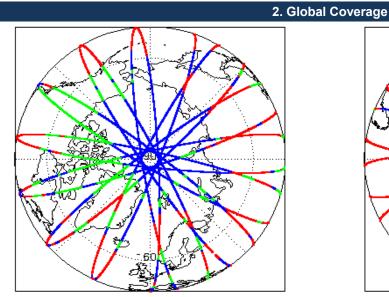
QA4EO Daily Report for OFFLINE data:

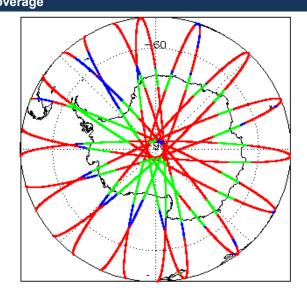
<u>29/03/2021</u>

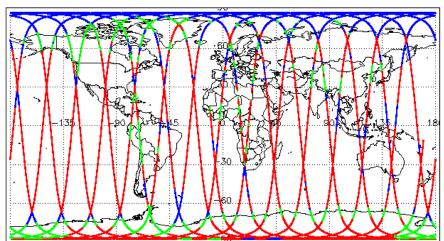
1. Overview

Report Production Date:	20 Apr 2021	Check	Status
	29-Apr-2021	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:	L1B and L2 OFFLINE Data	Product Format Check	Nominal
Data Oseu.	LIB 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	See Section 4.5
		L1B & L2 Auxiliary Data File Usage Check	Nominal
		L1B & L2 Auxiliary Correction Error Check	Nominal
		L1B & L2 Measurement Confidence Data Check	See Section 4.8 and 5.5
		QCC Errors/ Warnings	See Section 6.1, 6.2 and 6.3

Mission / Instr	Mission / Instrument News			
28-Mar-2021	None			
29-Mar-2021	None			
30-Mar-2021	Nothing planned			

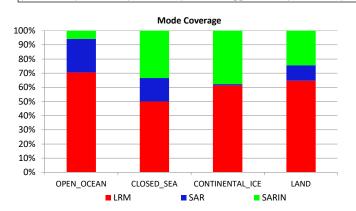


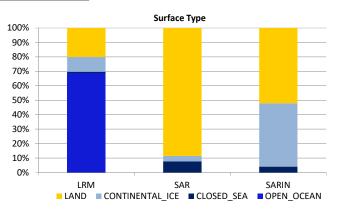




м	ode Coverage (%)
	LRM	

LRM	68.1
SAR	18.4
SARIn	13.5





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.

130 Number of products with errors:

CS_OFT_SIR_LRM_18_20210321701783_20210327011730_D001 Loss of exho The tracking exho is missing for one or more records CS_OFT_SIR_LRM_18_20210320701783_20210327011736_D001 Loss of exho The tracking exho is missing for one or more records CS_OFT_SIR_LRM_18_20210320701783_20210327011736_D001 Loss of exho The tracking exho is missing for one or more records CS_OFT_SIR_LRM_18_20210320701785_021032701376_D001 Loss of exho The tracking exho is missing for one or more records CS_OFT_SIR_LRM_18_202103207017876_021032701376_D001 Loss of exho The tracking exho is missing for one or more records CS_OFT_SIR_LRM_18_20210320701376_0210327022452_D001 Loss of exho The tracking exho is missing for one or more records CS_OFT_SIR_LRM_18_20210320702380_0210327022452_D001 Loss of exho The tracking exho is missing for one or more records CS_OFT_SIR_LRM_18_20210320702580_20210327025282_D001 Loss of exho The tracking exho is missing for one or more records CS_OFT_SIR_LRM_18_20210320702580_20210327025282_D001 Loss of exho The tracking exho is missing for one or more records CS_OFT_SIR_LRM_18_2021032070580_20210327025282_D001 Loss of exho The tracking exho is missing for one or more records CS_OFT_SIR_LRM_18_2021032070580_20210327025382_D001 Loss of exho The tracking exho is missing for one or	Product	Test Failed	Description
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CS_OFFL_SIR_LRM_18_20210329T025802_0210329T025803_02010329T025803_02010329T025803_02010329T025803_02010329T025803_02010329T025803_02010329T025803_02010329T03138_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T025803_02010329T03138_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T031343_02010Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T031704_2010329T031503_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T03554_0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T03554_00210329T03554_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T040552_0210329T049648_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T04955_0210329T04980_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T04935_0210329T04980_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T04935_0210329T049490_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T04935_0210329T049490_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T044930_20210329T044930_0210329T044930_0210329T044930_0210329T044930_0210329T044930_0210329T044930_0210329T044930_0210329T044930_0210329T044930_0210329T044930_0210329T044930_0210329T044930_0210329T044930_0210329T044930_0210329T044930_0	CS_OFFL_SIR_LRM_1B_20210329T025550_20210329T025650_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210329T025832_20210329T025915_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T03532_20210329T03138_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T03132_20210329T031342_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T031706_20210329T031342_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T031706_20210329T03554D_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T03554D_20210329T03555D_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T04525_20210329T040948_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T043432_20210329T049393_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T043432_20210329T043930_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T04393_20210329T043930_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T04393_20210329T04394_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T044392_20210329T044382_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T044392_0210329T044342_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2021	CS_OFFL_SIR_LRM_1B_20210329T025655_20210329T025700_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202103297029920_20210329703138_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103297031434_202103297031434_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103297031434_202103297031532_0D011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103297031540_20210329703554_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103297035540_20210329703554_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103297040525_202103297040954_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103297040525_202103297040952Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103297040525_20210329704393_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103297043935_202103297043931_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329704394_202103297044949_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103297044915_202103297044949_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103297044012_2010329704494_D0101Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103297044030_202103297044349_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103	CS_OFFL_SIR_LRM_1B_20210329T025702_20210329T025828_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210329T031434_20210329T031432_20210329T031434_20210329T031503_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T031706_20210329T033524_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T03554_20210329T03554_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T03554_20210329T035550_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T045542_20210329T040948_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T041517_20210329T041823_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T043432_20210329T043903_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T043932_20210329T043931_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T043931_20210329T043931_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T044322_2010329T044327_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T04432_20210329T044327_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T044032_20210329T044032_20210329T044032_2001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T044032_20210329T044032_2010329T044032_2010329T044012_2010329T04014_20210329T04014_20210329T04014_20	CS_OFFL_SIR_LRM_1B_20210329T025832_20210329T025915_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210329T031434_20210329T031500_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T035230_20210329T035544_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T035540_20210329T035540_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T040525_20210329T040525_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T040525_20210329T040949_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T044322_2010329T043930_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T043942_20210329T043931_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T043931_20210329T043931_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T04394_20210329T044012_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T044012_20210329T044012_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T044012_2010329T044012_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T044012_2010329T044012_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T044012_2010329T044012_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2	CS_OFFL_SIR_LRM_1B_20210329T025920_20210329T030138_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210329T033241_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T035240_20210329T035550_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T040525_20210329T040948_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T040525_20210329T040948_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T04322_D010329T043932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T043932_20210329T043931_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T043931_20210329T043934_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T044931_20210329T0449349_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T044931_20210329T044934_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T044931_20210329T044932_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T04430_20210329T04430_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T04430_20210329T04430_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20210329T045430_20210329T054942_001329T054942_00210329T054942_00210329T054942_00210329T054942_00210329T054942_00210329T054941_0021Loss of echoThe tracking	CS_OFFL_SIR_LRM_1B_20210329T030532_20210329T031432_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T035230_20210329T035544_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T0455549_20210329T040948_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T041525_20210329T041823_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T04392_20210329T043930_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T043934_20210329T043931_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T043934_20210329T043931_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T043934_20210329T043949_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044014_20210329T044012_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044014_20210329T04432_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044014_20210329T044349_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044302_0210329T044349_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044302_0210329T044349_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044342_02010329T044349_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B	CS_OFFL_SIR_LRM_1B_20210329T031434_20210329T031503_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202103291035549_202103291035550_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103291040525_20210329104048_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103291041517_202103291041823_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103291043432_202103291043905_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329104393_202103291043949_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103291043951_202103291044012_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103291044014_202103291044158_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103291044014_202103291044327_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103291044200_202103291044349_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103291044200_20103291044349_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103291051420_20103291051552_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103291051420_20103291055023_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202103291051914_202103291055023_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2	CS_OFFL_SIR_LRM_1B_20210329T031706_20210329T033241_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T040525_20210329T040948_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T041517_20210329T041823_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T043432_20210329T04393_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T043935_20210329T043931_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T043934_20210329T043949_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044014_20210329T044012_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044014_20210329T044158_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044010_20210329T04439_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044200_20210329T04439_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T04430_20210329T04439_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T04458_20210329T044805_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T05142_0210329T051852_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T052441_20210329T055025_0210329T055025_0210329T055025_0210329T055025_0210329T055025_0210329T055025_0210329T055025_0210329T055025_0210329T055025_0210329	CS_OFFL_SIR_LRM_1B_20210329T035230_20210329T035544_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T041517_20210329T041823_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T043832_20210329T043903_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T043905_20210329T043903_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T043934_20210329T043949_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T043951_20210329T044012_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044014_20210329T044012_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044014_20210329T044152_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044200_20210329T044327_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044200_20210329T044305_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044658_20210329T044805_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T05142_0210329T050247_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T05141_20210329T050241_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T05025_20210329T050541_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_	CS_OFFL_SIR_LRM_1B_20210329T035549_20210329T035550_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T043302_20210329T043905_20210329T043901Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T043934_20210329T043931_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T043934_20210329T043949_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T043951_20210329T044012_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044014_20210329T044327_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T04430_20210329T044327_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T04430_20210329T044349_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T04430_20210329T044349_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044658_20210329T044805_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T051842_D01329T05485_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T051914_20210329T052047_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T052525_20210329T05524_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T052047_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329	CS_OFFL_SIR_LRM_1B_20210329T040525_20210329T040948_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T043995_20210329T043991_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T043934_20210329T043949_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T043951_20210329T044012_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044014_20210329T044158_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044020_20210329T044327_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044330_20210329T04439_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044658_20210329T04439_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044658_20210329T044349_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044059_20210329T044805_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T05142_0210329T051952_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T052041_20210329T055043_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T052041_20210329T055043_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T05040107_20210329T050414_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1	CS_OFFL_SIR_LRM_1B_20210329T041517_20210329T041823_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T043934_20210329T043949_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T043951_20210329T044012_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044014_20210329T044158_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044200_20210329T044327_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T04430_20210329T044309_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T04430_20210329T04430_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044658_20210329T044805_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T051420_20210329T051852_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T052441_20210329T052047_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T055025_20210329T055044_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T05017_20210329T060149_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T060107_20210329T060149_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_	CS_OFFL_SIR_LRM_1B_20210329T043432_20210329T043903_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T043951_20210329T044012_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044014_20210329T044158_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044200_20210329T044327_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044330_20210329T044330_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044658_20210329T044805_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T051420_20210329T051852_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T051420_20210329T051852_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T051914_20210329T052047_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T055025_20210329T055944_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T06107_20210329T060149_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T060149_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T060149_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062013_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_	CS_OFFL_SIR_LRM_1B_20210329T043905_20210329T043931_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T044014_20210329T044158_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044200_20210329T044327_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044330_20210329T044349_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044658_20210329T044805_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T051420_20210329T051852_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T051420_20210329T052047_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T052441_20210329T055023_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T055025_20210329T055044_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T06107_20210329T060149_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_	CS_OFFL_SIR_LRM_1B_20210329T043934_20210329T043949_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T044200_20210329T044327_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044330_20210329T04439_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044658_20210329T044805_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T051420_20210329T051852_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T051914_20210329T052047_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T052441_20210329T055023_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T05505_20210329T055944_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T060107_20210329T060149_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062123_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062123_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1	CS_OFFL_SIR_LRM_1B_20210329T043951_20210329T044012_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T044330_20210329T044349_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T044658_20210329T044805_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T051420_20210329T051852_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T051914_20210329T052047_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T052441_20210329T055023_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T05505_20210329T055044_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T060107_20210329T060149_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T060107_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062123_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062123_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210329T044014_20210329T044158_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T044658_20210329T044805_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T051420_20210329T051852_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T051914_20210329T052047_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T052441_20210329T055023_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T05505_20210329T055044_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T060107_20210329T060149_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062123_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062123_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062123_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210329T044200_20210329T044327_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T051420_20210329T051852_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T051914_20210329T052047_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T052441_20210329T055023_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T055025_20210329T055944_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T060107_20210329T060149_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062123_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062123_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210329T044330_20210329T044349_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T052941_20210329T052047_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T052441_20210329T055023_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T055025_20210329T055944_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T060107_20210329T060149_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062123_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062123_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210329T044658_20210329T044805_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T052441_20210329T055023_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210329T055025_20210329T055944_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210329T060107_20210329T060149_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062019_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062123_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210329T051420_20210329T051852_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T055025_20210329T055944_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T060107_20210329T060149_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062123_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210329T051914_20210329T052047_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T060107_20210329T060149_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062123_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210329T052441_20210329T055023_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062123_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210329T055025_20210329T055944_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062123_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210329T060107_20210329T060149_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20210329T061704_20210329T062019_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T062502_20210329T065127_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210329T062056_20210329T062123_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20210329T062502_20210329T065127_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T065813_20210329T070138_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210329T065813_20210329T070138_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T073336_20210329T073641_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210329T073336_20210329T073641_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T075447_20210329T075938_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210329T075447_20210329T075938_D001	Loss of echo	The tracking echo is missing for one or more records

CS OFFL SIR LRM 1B 20210329T080027 20210329T080223 D001 CS OFFL SIR LRM 1B 20210329T080227 20210329T080927 D001 CS OFFL SIR LRM 1B 20210329T080929 20210329T083103 D001 CS_OFFL_SIR_LRM_1B_20210329T083712_20210329T084044_D001 CS OFFL SIR LRM 1B 20210329T084318 20210329T091823 D001 CS_OFFL_SIR_LRM_1B_20210329T093122_20210329T093317_D001 CS OFFL SIR LRM 1B 20210329T093541 20210329T093934 D001 CS OFFL SIR LRM 1B 20210329T093959 20210329T094030 D001 CS_OFFL_SIR_LRM_1B_20210329T094618 20210329T095046 D001 CS OFFL SIR LRM 1B 20210329T095050 20210329T095112 D001 CS OFFL SIR LRM 1B 20210329T095133 20210329T095618 D001 CS OFFL SIR LRM 1B 20210329T095724 20210329T095948 D001 CS_OFFL_SIR_LRM_1B_20210329T095952_20210329T100030_D001 CS_OFFL_SIR_LRM_1B_20210329T101215_20210329T101735_D001 CS OFFL SIR LRM 1B 20210329T111720 20210329T111737 D001 CS_OFFL_SIR_LRM_1B_20210329T111748_20210329T111920_D001 CS_OFFL_SIR_LRM_1B_20210329T111933_20210329T111947_D001 CS_OFFL_SIR_LRM_1B_20210329T112112_20210329T112623_D001 CS_OFFL_SIR_LRM_1B_20210329T115249_20210329T115636_D001 CS_OFFL_SIR_LRM_1B_20210329T120156_20210329T120838_D001 CS_OFFL_SIR_LRM_1B_20210329T120848_20210329T121507_D001 CS_OFFL_SIR_LRM_1B_20210329T123807_20210329T123815_D001 CS OFFL SIR LRM 1B 20210329T123817 20210329T124000 D001 CS_OFFL_SIR_LRM_1B_20210329T133350_20210329T133542 D001 CS OFFL SIR LRM 1B 20210329T134929 20210329T135518 D001 CS_OFFL_SIR_LRM_1B_20210329T135606_20210329T140003_D001 CS_OFFL_SIR_LRM_1B_20210329T140444_20210329T141144_D001 CS OFFL SIR LRM 1B 20210329T141310 20210329T141349 D001 CS OFFL SIR LRM 1B 20210329T141518 20210329T141551 D001 CS OFFL SIR LRM 1B 20210329T141554 20210329T141612 D001 CS OFFL SIR LRM 1B 20210329T141615 20210329T141741 D001 CS_OFFL_SIR_LRM_1B_20210329T141744_20210329T141858_D001 CS OFFL SIR LRM 1B 20210329T141900 20210329T141911 D001 CS_OFFL_SIR_LRM_1B_20210329T141915_20210329T141920_D001 CS OFFL SIR LRM 1B 20210329T144015 20210329T144848 D001 CS_OFFL_SIR_LRM_1B_20210329T145102_20210329T145401_D001 CS OFFL SIR LRM 1B 20210329T145508 20210329T150644 D001 CS_OFFL_SIR_LRM_1B_20210329T152950_20210329T153633_D001 CS_OFEL_SIR_LRM_1B_20210329T153812_20210329T153917_D001 CS OFFL SIR LRM 1B 20210329T153919 20210329T153927 D001 CS OFFL SIR LRM 1B 20210329T153929 20210329T154903 D001 CS OFFL SIR LRM 1B 20210329T154905 20210329T155250 D001 CS_OFFL_SIR_LRM_1B_20210329T155252_20210329T155258_D001 CS_OFFL_SIR_LRM_1B_20210329T155301_20210329T155344_D001 CS OFFL SIR LRM 1B 20210329T155424 20210329T155912 D001 CS_OFFL_SIR_LRM_1B_20210329T155926_20210329T155958_D001 CS OFFL SIR LRM 1B 20210329T161506 20210329T161818 D001 CS_OFFL_SIR_LRM_1B_20210329T162338_20210329T162813_D001 CS OFFL SIR LRM 1B 20210329T162817 20210329T162818 D001 CS_OFFL_SIR_LRM_1B_20210329T162822_20210329T162827_D001 CS_OFFL_SIR_LRM_1B_20210329T165025_20210329T165902_D001 CS_OFFL_SIR_LRM_1B_20210329T173110_20210329T173122_D001 CS OFFL SIR LRM 1B 20210329T173127 20210329T173138 D001 CS_OFFL_SIR_LRM_1B_20210329T173202_20210329T173214_D001 CS OFFL SIR LRM 1B 20210329T173216 20210329T173222 D001 CS_OFFL_SIR_LRM_1B_20210329T173225_20210329T173715_D001 CS OFFL SIR LRM 1B 20210329T175217 20210329T180044 D001 CS OFFL SIR LRM 1B 20210329T180048 20210329T180141 D001 CS_OFFL_SIR_LRM_1B_20210329T180144_20210329T180155_D001 CS OFFL SIR LRM 1B 20210329T180158 20210329T180158 D001 CS_OFFL_SIR_LRM_1B_20210329T180200_20210329T182721_D001 CS_OFFL_SIR_LRM_1B_20210329T184527_20210329T190519_D001 CS OFFL SIR LRM 1B 20210329T190521 20210329T190719 D001 CS_OFFL_SIR_LRM_1B_20210329T190721_20210329T190936_D001

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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_20210329T191042_20210329T191353_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T191353_20210329T191540_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T193625_20210329T193655_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T201905_20210329T204018_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T204021_20210329T204121_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T204124_20210329T204126_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T204131_20210329T204139_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T204145_20210329T204145_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T204147_20210329T204407_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T204410_20210329T204637_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T204712_20210329T204718_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T204720_20210329T204817_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T205013_20210329T205106_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T205536_20210329T205616_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T215054_20210329T215610_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T220704_20210329T220710_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T220716_20210329T220820_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T220824_20210329T221500_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T221535_20210329T221829_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T222013_20210329T222157_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T222341_20210329T222518_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T223002_20210329T223014_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T223014_20210329T223034_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T235202_20210329T235819_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210329T235828_20210329T235908_D001	Loss of echo	The tracking echo is missing for one or more records

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4.5 L1B Calibration Usage Check

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

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Number of products with errors:

Pro	duct	

Product	Test Falled	Description
CS_OFFL_SIR_SIN_1B_20210329T220820_20210329T220824_D001	Cal1 corr. missing	The Cal1 correction has not been applied

4.6 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.7 L1B Auxiliary Correction Error Check

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

Number of products with errors:

4.8 L1B Measurement Confidence Data Check

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

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

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

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

Test Failed

Number of products with errors:

Product

CS_OFFL_SIR_SIN_1B_20210329T220820_20210329T220824_D001

Cal1 Correction missing,

The Cal1 Correction has not been applied

Description

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 0 CryoSat L2 data includes a correction error flag (field 30) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220210328T234006_20210329T001348_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_220210329T002743_20210329T005616_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_220210329T013541_20210329T013705_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_220210329T013716_20210329T014805_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_220210329T021130_20210329T022357_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_220210329T022608_20210329T023814_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_220210329T024040_20210329T024219_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_220210329T025920_20210329T030138_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210329T030532_20210329T031432_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_220210329T031434_20210329T031503_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_220210329T031706_20210329T033241_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_220210329T034726_20210329T034925_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_220210329T040525_20210329T040948_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_220210329T041111_20210329T041337_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_220210329T043934_20210329T043949_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210329T043951_20210329T044012_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210329T045453_20210329T051149_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_220210329T052441_20210329T055023_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_220210329T062502_20210329T065127_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_220210329T070356_20210329T073210_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_220210329T073336_20210329T073641_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_220210329T080227_20210329T080927_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_220210329T080929_20210329T083103_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_220210329T084318_20210329T091823_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_220210329T093122_20210329T093317_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_220210329T095952_20210329T100030_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_220210329T100225_20210329T101029_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_220210329T102248_20210329T104543_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_220210329T104829_20210329T105741_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_220210329T111933_20210329T111947_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_220210329T112951_20210329T113438_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_220210329T113626_20210329T114934_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_220210329T120156_20210329T120838_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_220210329T120848_20210329T121507_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_220210329T121647_20210329T123454_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_220210329T130010_20210329T132415_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_220210329T134219_20210329T134856_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_220210329T135606_20210329T140003_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_220210329T140444_20210329T141144_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_220210329T144015_20210329T144848_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_220210329T145508_20210329T150644_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_220210329T152950_20210329T153633_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_220210329T153929_20210329T154903_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_220210329T154905_20210329T155250_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210329T161250_20210329T161343_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210329T161506_20210329T161818_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_220210329T161949_20210329T162216_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_220210329T162338_20210329T162813_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_220210329T163130_20210329T164800_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_220210329T170107_20210329T172358_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_220210329T180200_20210329T182721_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_220210329T183957_20210329T184455_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_220210329T184527_20210329T190519_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_220210329T193625_20210329T193655_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_220210329T193823_20210329T200624_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_220210329T201905_20210329T204018_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_220210329T204147_20210329T204407_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_220210329T205536_20210329T205616_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_220210329T205635_20210329T205735_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_220210329T211010_20210329T214524_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_220210329T222341_20210329T222518_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_220210329T225019_20210329T225856_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_220210329T230142_20210329T232444_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_220210329T233643_20210329T235015_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_220210329T235202_20210329T235819_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_SIN_220210329T220820_20210329T220824_D001	Calibration Warning	The Calibration correction is missing or has been taken from the IPFDB instead of the Calibration products for one or more records

6. QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_LRM_1B	202	202	202	0	0
SIR_SAR_1B	143	143	143	0	0
SIR_SIN_1B	109	109	109	0	0
SIR_LRM_2	202	202	199	3	0
SIR_SAR_2	109	142	142	0	0
SIR_SIN_2	142	109	106	3	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			

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

6.2 QCC Warnings

Product Type	AXDME	AXSMMEOCI	-	-	-	-	-		
SIR_GDR_2_	0	1							
SIR_LRM_2_	0	3							
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					
	Ι			I					
6.2 Missing QCC Reports									
Number of products with missing QCC reports: 1									

Product name CS_OFFL_SIR_GDR_2_20210329T235521_20210330T013436_D002