

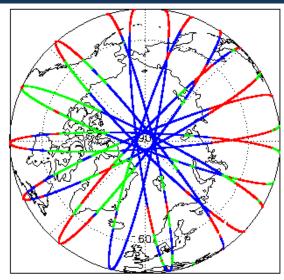
1. Overview

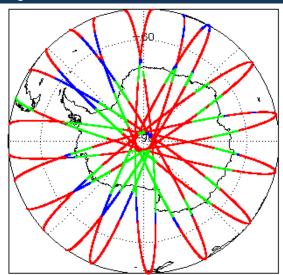
Report Production Date:	16-Mar-2021
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

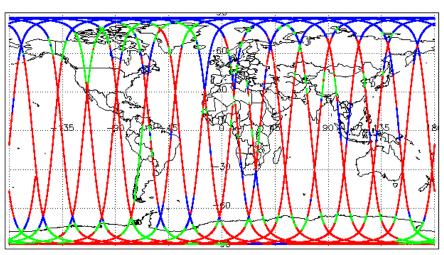
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

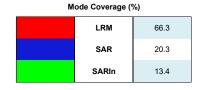
Mission / Inst	rument News
11-Feb-2021	None
12-Feb-2021	None
13-Feb-2021	Nothing planned

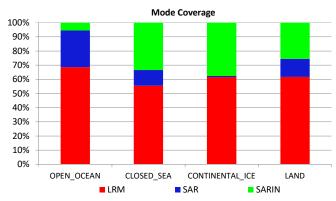
2. Global Coverage

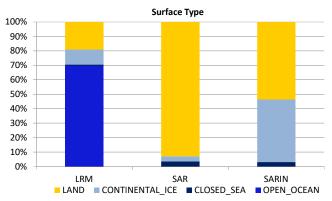












3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

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

Number of products with errors:

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4.3 Star Tracker Usage Check

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

Number of products with errors:

4.4 L1B Tracking Flags Check

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

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

lumber of products with errors: 1

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20210212T003318_20210212T003647_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T003649_20210212T003753_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T003818_20210212T004505_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T004648_20210212T004844_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T004850_20210212T004936_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T005225_20210212T005227_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T005234_20210212T005303_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T012447_20210212T014714_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T021509_20210212T022227_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T022312_20210212T022744_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T024943_20210212T024958_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T025001_20210212T025041_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T025333_20210212T032559_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T034400_20210212T035631_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T042812_20210212T042817_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T042819_20210212T042825_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T042829_20210212T042857_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T042901_20210212T042914_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T042917_20210212T042933_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T042935_20210212T043000_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T043005_20210212T043010_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T043013_20210212T043030_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T043032_20210212T043051_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T043405_20210212T043408_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T043414_20210212T043415_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T043418_20210212T043419_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T043422_20210212T043423_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T043428_20210212T043431_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T043521_20210212T044720_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T044924_20210212T050513_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T052112_20210212T053138_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T053245_20210212T053504_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T053758_20210212T054911_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T054947_20210212T055013_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T055107_20210212T055247_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T060655_20210212T061006_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T061008_20210212T061030_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T061035_20210212T061134_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T061137_20210212T061242_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T061247_20210212T061313_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T061315_20210212T062037_D001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20210212T065150_20210212T065257_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T065731_20210212T073134_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T074537_20210212T075037_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T075040_20210212T075049_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T075052_20210212T075129_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T075131_20210212T075322_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T075435_20210212T075527_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T075924_20210212T082036_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T083634_20210212T090527_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T090529_20210212T090542_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T090544_20210212T090552_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T090555_20210212T090602_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T092801_20210212T093238_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T093321_20210212T093613_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T093616_20210212T093651_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T093658_20210212T100309_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T110724_20210212T111000_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T111313_20210212T111334_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T111336_20210212T111414_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T111512_20210212T111613_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T111616_20210212T111619_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T111625_20210212T112333_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T112708_20210212T112838_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T112842_20210212T113307_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T114439_20210212T115013_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T115544_20210212T122934_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T124539_20210212T124550_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20210212T124946 20210212T125007 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T125018_20210212T125028_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T125802_20210212T130108_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T132401_20210212T132910_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T141043_20210212T141044_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T141047_20210212T141112_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T141114_20210212T141149_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T151503_20210212T153032_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T153717_20210212T154426_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T154918_20210212T154950_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T154953_20210212T154955_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20210212T154957 20210212T155001 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T155006_20210212T155011_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T155016_20210212T155027_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T155030_20210212T155031_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T155035_20210212T155047_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20210212T155050 20210212T155051 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T155053_20210212T155108_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T155110_20210212T155111_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T155114_20210212T155116_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T155114_20210212T155116_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T155126_20210212T155131_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T155133_20210212T155151_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T155146_20210212T155149_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T162331_20210212T163728_D001 CS_OFFL_SIR_LRM_1B_20210212T164524_20210212T164725_D001	Loss 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_20210212T165406_20210212T170946_D001	Loss of echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T171147_20210212T172111_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T172357_20210212T172604_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T172607_20210212T172632_D001	Loss of echo	The tracking cohe is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T172634_20210212T172640_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T172643_20210212T172651_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T172656_20210212T172703_D001	Loss of echo	The tracking cohe is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T172705_20210212T172756_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T172802_20210212T173135_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T174625_20210212T174715_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T174902_20210212T180012_D001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_18_20210212716915_20210212716925_0001 CS_OFFL_SIR_LRM_18_20210212716915_20210212716925_0001 CS_OFFL_SIR_LRM_18_20210212716915_20210212716925_0001 CS_OFFL_SIR_LRM_18_20210212716915_20210212716925_0001 CS_OFFL_SIR_LRM_18_20210212716915_20210212716925_0001 CS_OFFL_SIR_LRM_18_20210212716914_20210212716925_0001 CS_OFFL_SIR_LRM_18_20210212716934_20210212716925_0001 CS_OFFL_SIR_LRM_18_20210212716934_20210212716925_0001 CS_OFFL_SIR_LRM_18_20210212716934_20210212716925_0001 CS_OFFL_SIR_LRM_18_20210212716935_20210212716925_0001 CS_OFFL_SIR_LRM_18_20210212716935_20210212716925_0001 CS_OFFL_SIR_LRM_18_20210212716935_20210212716925_0001 CS_OFFL_SIR_LRM_18_20210212716935_20210212716925_0001 CS_OFFL_SIR_LRM_18_20210212716935_20210212716925_0001 CS_OFFL_SIR_LRM_18_20210212716935_20210212716935_0001 CS_OFFL_SIR_LRM_18_20210212716936_20210212716935_0001 CS_OFFL_SIR_LRM_18_20210212716936_20210212716935_0001 CS_OFFL_SIR_LRM_18_20210212716936_20210212716935_0001 CS_OFFL_SIR_LRM_18_20210212716936_20210212716936_0001 CS_OFFL_SIR_LRM_18_20210212716936_20210212716935_0001 CS_OFFL_SIR_LRM_18_20210212716936_20210212716936_0001 CS_OFFL_SIR_LRM_18_20210212716936_20210212716936_0001 CS_OFFL_SIR_LRM_18_20210212716936_20210212716936_0001 CS_OFFL_SIR_LRM_18_20210212716936_20210212716936_0001 CS_OFFL_SIR_LRM_18_20210212716936_00010212716936_0001 CS_OFFL_SIR_LRM_18_20210212716936_0001021716936_0001 CS_OFFL_SIR_LRM_18_20210212716936_0001021716936_0001 CS_OFFL_SIR_LRM_18_20210212716936_0001021716936_0001 CS_OFFL_SIR_LR	CS_OFFL_SIR_LRM_1B_20210212T182330_20210212T183130_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T190522_202102T190309_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T19032_202102T190309_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T19033_202102T19034_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T19034_20210212T19040_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T19041_20210212T19040_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T19041_20210212T190450_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T19041_20210212T190450_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T19041_20210212T190450_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T19052_2021001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T19052_2021001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T19052_2021001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T19052_20210212T19053_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T19052_20210212T19053_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T19056_20210212T19053_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T19056_20210212T19053_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T19056_20210212T19053_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T19056_20210212T20050_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_1B_202102	CS_OFFL_SIR_LRM_1B_20210212T185710_20210212T185813_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T190210_202102T19037_D001	CS_OFFL_SIR_LRM_1B_20210212T185815_20210212T185825_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20/210212T190332_20210212T19034_D001	CS_OFFL_SIR_LRM_1B_20210212T185827_20210212T185838_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20210212T190342_202102T190400_D001	CS_OFFL_SIR_LRM_1B_20210212T190219_20210212T190309_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210212T190404_20210212T190400_D001 CS_OFFL_SIR_LRM_18_20210212T190403_20210212T190405_D001 CS_OFFL_SIR_LRM_18_20210212T190503_20210212T190509_D001 CS_OFFL_SIR_LRM_18_20210212T190503_20210212T190509_D001 CS_OFFL_SIR_LRM_18_2021021T190503_20210212T190509_D001 CS_OFFL_SIR_LRM_18_20210212T190503_20210212T190509_D001 CS_OFFL_SIR_LRM_18_20210212T190508_20210212T190509_D001 CS_OFFL_SIR_LRM_18_20210212T190508_20210212T190509_D001 CS_OFFL_SIR_LRM_18_20210212T190508_20210212T190509_D001 CS_OFFL_SIR_LRM_18_20210212T190508_20210212T190509_D001 CS_OFFL_SIR_LRM_18_20210212T190608_20210212T190509_D001 CS_OFFL_SIR_LRM_18_20210212T190608_20210212T190509_D001 CS_OFFL_SIR_LRM_18_20210212T190608_20210212T190609_D001 CS_OFFL_SIR_LRM_18_20210212T190604_20210212T190609_D001 CS_OFFL_SIR_LRM_18_20210212T190604_20210212T190601_D001 CS_OFFL_SIR_LRM_18_20210212T190604_20210212T190601_D001 CS_OFFL_SIR_LRM_18_20210212T190604_20210212T190601_D001 CS_OFFL_SIR_LRM_18_20210212T190606_20210212T190608_D001 CS_OFFL_SIR_LRM_18_20210212T190606_20210212T190608_D001 CS_OFFL_SIR_LRM_18_20210212T190606_20210212T190608_D001 CS_OFFL_SIR_LRM_18_20210212T20006_20210212T190608_D001 CS_OFFL_SIR_LRM_18_20210212T20006_20210212T190080_D001 CS_OFFL_SIR_LRM_18_20210212T20006_20210212T200001 CS_OFFL_SIR_LRM_18_20210212T20004_20210212T200041_D001 CS_OFFL_SIR_LRM_18_20210212T20004_20210212T200041_C0001 CS_OFFL_SIR_LRM_18_20210212T20004_20210212T200041_C0001 CS_OFFL_SIR_LRM_18_20210212T210040_20210212T200041_C0001 CS_OFFL_SIR_LRM_18_20210212T210040_20210212T21004001 CS_OFFL_SIR_LRM_18_20210212T210040_20210212T21004001 CS_OFFL_SIR_LRM_18_20210212T210040_20210212T21004001 CS_OFFL_SIR_LRM_18_20210212T2100400_20210212T21004001 CS_OFFL_SIR_LRM_18_20210212T210040_20210212T21004001 CS_OFFL_SIR_LRM_18_20210212T210040_20210212T21004001 CS_OFFL_SIR_LRM_18_20210212T21004002_20210212T21004001 CS_OFFL_SIR_LRM_18_20210212T21004002_20210212T21004001 CS_OFFL_SIR_LRM_18_20210212T21004002_20210212T21004001 CS_OFFL_SIR_LRM_18_2021	CS_OFFL_SIR_LRM_1B_20210212T190321_20210212T190327_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210217190410_20210217190456_D001 CS_OFFL_SIR_LRM_18_20210217190411_20210217190456_D001 CS_OFFL_SIR_LRM_18_20210217190503_20210217190500_D001 CS_OFFL_SIR_LRM_18_20210217190503_20210217190500_D001 CS_OFFL_SIR_LRM_18_20210217190503_20210217190506_D001 CS_OFFL_SIR_LRM_18_20210217190503_20210217190506_D001 CS_OFFL_SIR_LRM_18_20210217190503_20210217190506_D001 CS_OFFL_SIR_LRM_18_20210217190504_20210217190500_D001 CS_OFFL_SIR_LRM_18_202102171025006_20210217190500_D001 CS_OFFL_SIR_LRM_18_202102171025006_20210217100001 CS_OFFL_SIR_LRM_18_202102171025006_20210217100001 CS_OFFL_SIR_LRM_18_202102172700006_20210217200010 CS_OFFL_SIR_LRM_18_202102172700006_20210217200010 CS_OFFL_SIR_LRM_18_20210217200000_20210217200010 CS_OFFL_SIR_LRM_18_202102172000000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20210212T190330_20210212T190341_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210212T190503_20210212T190505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T190522_D0012D100505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T190525_D0012D100525_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T190525_D00102T7190539_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T190505_D00102T7190539_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T190504_20210212T190509_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T190504_20210212T190500_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T1905064_20210212T190101_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T190564_20210212T190538_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T20006_202102171903080_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T20006_20210212T200141_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T200492_2010212T2003800_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T2014092_2010212T2003800_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T201409_2010212T203800_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T21013_20210212T211318_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T21013_20210212T211318_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T22103_20210212T22009_D001 Loss of echo The t	CS_OFFL_SIR_LRM_1B_20210212T190344_20210212T190400_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210212T190503_20210212T190502_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T190522_D010212T190502_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T1905028_20210212T1905039_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T1905028_20210212T1905039_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T190504_20210212T190500_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T190504_20210212T190504_D0010_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T190504_20210212T190504_D0010_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T190504_20210212T190508_D0010_Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T20050_20210212T200414_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T200506_20210212T200414_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T200406_20210212T200414_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T200409_202102172704712_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T21014020_202102172704712_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T21015_20210212T210412_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T21015_20210212T21035_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T210103_20210212T211035_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T210103_20210212T21103001 Loss of echo The tracking e	CS_OFFL_SIR_LRM_1B_20210212T190403_20210212T190406_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T190512_20210212T190521_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T190528_20210212T190539_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T190542_20210212T190590_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T190542_20210212T190501_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T190604_20210212T1905014_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T1905064_20210212T1905014_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T202006_20210212T200414_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T200041_20210212T2001017_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T20041_20210212T2001017_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T2040202_20210212T2004712_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T204020_20210212T204712_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T2010420_20210212T204712_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T20030_20210212T2101000 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T210132_20210212T210132_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T211132_D001212T213318_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T21337_20210212T22200_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T221307_20210212T22200_D001 Loss of echo The tracking echo is missin	CS_OFFL_SIR_LRM_1B_20210212T190411_20210212T190455_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20210212T190525_20210212T190526_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T190528_20210212T190500_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T190604_20210212T190600_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T190604_20210212T190604_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T190564_20210212T1919010_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T20206_20210212T200101_Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T200206_20210212T200101_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T200441_20210212T201017_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T204049_20210212T201017_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T204290_20210212T20412_D0011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T204290_20210212T20472_D0011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T21033_20210212T21010_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T211132_20210212T21138_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T21133_20210212T213138_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T21133_20210212T2213134_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T21337_20210212T222009_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T22207_20210212T2222101_D001 Loss of echo The tracking echo	CS_OFFL_SIR_LRM_1B_20210212T190503_20210212T190509_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20210212T190528_20210212T190539_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T190641_20210212T190614_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T190616_20210212T1910D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T192566_20210212T1910D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T192566_20210212T29038_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T200206_20210212T201017_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T200441_20210212T201017_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T204049_20210212T204712_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T20420_20210212T20447_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T204840_20210212T20447_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T201615_20210212T204840_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T210163_20210212T21138_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T211132_D010212T21138_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T211313_D010212T213138_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T213132_D010212T221332_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T213132_D010212T221332_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210212T22207_D010212T222205_D001 Loss of echo The tracking echo is missin	CS_OFFL_SIR_LRM_1B_20210212T190512_20210212T190521_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210212T190604_20210212T190604_D001	CS_OFFL_SIR_LRM_1B_20210212T190525_20210212T190526_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T190614_20210212T190614_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T19546_20210212T195938_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T20026_20210212T200414_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T200414_2001012T201017_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T200414_20210212T200414_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T200421_20210012T200305_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T204847_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T204847_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T204847_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T2104847_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T210350_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T2101112_0210212T211030_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T2111142_0210212T211138_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T2111142_0210212T21316_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T22137_0210212T22200_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222016_20210212T22200_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222016_20210212T22200_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222216_2001212T222205_D001 Loss	CS_OFFL_SIR_LRM_1B_20210212T190528_20210212T190539_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T190616_20210212T195938_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T200006_20210212T200117_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T2000411_20210217203005_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T200412_D010212T203005_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T20412_D010212T203005_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T20441_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T204842_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T2104842_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T21036_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T21039_D010212T21030_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T21039_D0210212T211138_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T211142_D010212T213816_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T213135_D0210212T221324_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T221372_D0210212T22200_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T22200_D0212T22200_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T22200_D0101 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T22201_D0011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222210_D0011 Loss of echo The tracking	CS_OFFL_SIR_LRM_1B_20210212T190541_20210212T190600_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T20026_20210212T200414_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T200414_20210212T203805_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T20421220201212T203805_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T204209_20210212T20447_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T204840_20210212T204847_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T210151_20210212T2102850_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T2103830_20210212T21100_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T2103830_20210212T211138_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T211142_20210212T211386_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T211142_20210212T211386_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T211142_20210212T21384_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T212137_20210212T22134_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T22207_20210212T222000_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222016_20210212T222000_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222016_20210212T222010_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222016_20210212T222010_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222115_20210212T222110	CS_OFFL_SIR_LRM_1B_20210212T190604_20210212T190614_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T200206_20210212T200305_D001	CS_OFFL_SIR_LRM_1B_20210212T190616_20210212T191010_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210212T200441_20210212T201017_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T204209_20210212T204847_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T204840_20210212T204847_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T204840_20210212T20236_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T210151_20210212T210236_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T211013_20210212T211138_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T2111142_20210212T211138_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T2111142_20210212T213816_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T215135_20210212T221324_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T221327_20210212T222020_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T222007_20210212T222200_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T222016_20210212T222205_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T2222010212T222201001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T2222111_20010210212T2222359_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210212T2222111_200102112T222359_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The trac	CS_OFFL_SIR_LRM_1B_20210212T192546_20210212T195938_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T201241_20210212T203805_D001 CS_OFFL_SIR_LRM_1B_20210212T204409_20210212T204712_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T204840_20210212T204847_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T210151_20210212T210236_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T210139_20210212T211010_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T211013_20210212T21113B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T211142_20210212T213816_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T213135_20210212T223134_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T221327_20210212T222002_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222007_20210212T222009_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222016_20210212T22205_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T22207_20210212T222010_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222015_20210212T222107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222111_20210212T222110_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222111_20210212T222112_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222115_20210212T223479_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The trac	CS_OFFL_SIR_LRM_1B_20210212T200206_20210212T200414_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T204840_20210212T204847_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T210151_20210212T210236_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T210339_20210212T210026_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T210339_20210212T211010_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T211013_20210212T211138_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo	CS_OFFL_SIR_LRM_1B_20210212T200441_20210212T201017_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T204840_20210212T204847_D001 CS_OFFL_SIR_LRM_1B_20210212T210151_20210212T210236_D001 CS_OFFL_SIR_LRM_1B_20210212T210939_20210212T211010_D001 CS_OFFL_SIR_LRM_1B_20210212T211013_20210212T21113B_D001 CS_OFFL_SIR_LRM_1B_20210212T211142_20210212T21113B_D001 CS_OFFL_SIR_LRM_1B_20210212T211142_20210212T2113B_D001 CS_OFFL_SIR_LRM_1B_20210212T211142_20210212T213816_D001 CS_OFFL_SIR_LRM_1B_20210212T211142_20210212T213816_D001 CS_OFFL_SIR_LRM_1B_20210212T211142_20210212T22134_D001 CS_OFFL_SIR_LRM_1B_20210212T215153_20210212T22134_D001 CS_OFFL_SIR_LRM_1B_20210212T22132T_2021021021000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20210212T201241_20210212T203805_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T210151_20210212T210100001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T211013_20210212T211138_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T2111142_20210212T2131816_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T211142_20210212T2213816_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T215135_20210212T221324_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T221327_20210212T222002_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222007_20210212T222000_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222007_20210212T222009_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222016_20210212T22205_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222105_20210212T222101_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222111_20210212T222101_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222111_20210212T222359_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210212T204209_20210212T204712_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T2101039_20210212T211138_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T211142_20210212T213816_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T211142_20210212T213816_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T221327_20210212T221324_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T221327_20210212T222002_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222007_20210212T222009_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222007_20210212T222009_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222016_20210212T22205_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T22207_20210212T222010_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222105_20210212T222107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222111_20210212T222112_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222115_20210212T222359_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222115_20210212T222359_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T223410_20210212T2234729_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missi	CS_OFFL_SIR_LRM_1B_20210212T204840_20210212T204847_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20210212T221324_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T221327_20210212T222002_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222007_20210212T222000_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222007_20210212T222009_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222016_20210212T22205_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222016_20210212T222101_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222105_20210212T222107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222111_20210212T222110_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222111_20210212T222112_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222115_20210212T222359_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T234010_20210212T234729_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210212T210939_20210212T211010_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T221327_20210212T222002_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222007_20210212T222009_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222007_20210212T222009_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222016_20210212T222025_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T22207_20210212T222101_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222105_20210212T222107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222111_20210212T222112_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222115_20210212T222359_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T2234010_20210212T2234729_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T234903_20210212T235430_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210212T211013_20210212T211138_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20210212T222007_20210212T222009_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222016_20210212T222025_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222027_20210212T222101_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222105_20210212T222107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222111_20210212T222112_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222115_20210212T222359_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T2234010_20210212T234729_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210212T215135_20210212T221324_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T222016_20210212T222025_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222027_20210212T222101_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222105_20210212T222107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222111_20210212T222112_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222115_20210212T222359_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T2234010_20210212T2234729_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210212T221327_20210212T222002_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T222027_20210212T222101_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222111_20210212T222112_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222115_20210212T222359_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T2234010_20210212T234729_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210212T222007_20210212T222009_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T222105_20210212T222107_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210212T222016_20210212T222025_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T222111_20210212T222112_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T222115_20210212T222359_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T234010_20210212T234729_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T234903_20210212T235430_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210212T222027_20210212T222101_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T222115_20210212T222359_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T234010_20210212T234729_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T234903_20210212T235430_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210212T222105_20210212T222107_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T234010_20210212T234729_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210212T234903_20210212T235430_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210212T222111_20210212T222112_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T234903_20210212T235430_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210212T222115_20210212T222359_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20210212T234010_20210212T234729_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210212T235614_20210212T235741_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210212T234903_20210212T235430_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20210212T235614_20210212T235741_D001	Loss of echo	The tracking echo is missing for one or more records

4.5 L1B Calibration Usage Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_SIN_1B_20210212T190309_20210212T190316_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.

umber of products with errors:

4.8 L1B Measurement Confidence Data Check

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_SIN_1B_20210212T190309_20210212T190316_D001	Cal1 Correction missing,	The Cal1 Correction has not been applied

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

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:

0

51

5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220210211T233311_20210212T000816_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_220210212T002051_20210212T002355_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_220210212T005638_20210212T005919_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_220210212T012447_20210212T014714_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_220210212T015951_20210212T021322_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_220210212T021509_20210212T022227_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_220210212T022312_20210212T022744_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_220210212T025333_20210212T032559_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_220210212T034400_20210212T035631_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_220210212T035640_20210212T041413_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_220210212T043521_20210212T044720_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_220210212T044924_20210212T050513_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_220210212T052112_20210212T053138_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_220210212T053758_20210212T054911_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_220210212T054947_20210212T055013_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20210212T061315_20210212T062037_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

CC OFFI CID LDM 2 20240242T002022 20240242T004052 D004	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more	
CS_OFFL_SIR_LRM_220210212T062923_20210212T064353_D001	Error (Retracker 2)	records	
CS_OFFL_SIR_LRM_220210212T065731_20210212T073134_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_220210212T075131_20210212T075322_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more record	
CS_OFFL_SIR_LRM_220210212T075924_20210212T082036_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_220210212T083634_20210212T090527_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_220210212T093658_20210212T100309_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_220210212T101626_20210212T105107_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_20210212T111336_20210212T111414_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_220210212T111625_20210212T112333_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records	
CS_OFFL_SIR_LRM_2_20210212T113628_20210212T114256_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_20210212T115544_20210212T122934_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_220210212T124323_20210212T124425_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_220210212T130245_20210212T132209_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_220210212T133426_20210212T140914_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_220210212T143348_20210212T143809_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_220210212T143904_20210212T145642_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_220210212T151503_20210212T153032_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_220210212T153152_20210212T153236_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_220210212T153717_20210212T154426_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_220210212T160421_20210212T162205_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_220210212T162331_20210212T163728_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_220210212T165406_20210212T170946_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_220210212T171147_20210212T172111_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_220210212T174902_20210212T180012_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_220210212T183319_20210212T184854_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_220210212T185827_20210212T185838_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records	
CS_OFFL_SIR_LRM_220210212T192546_20210212T195938_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_220210212T200206_20210212T200414_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records	

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	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220210212T211142_20210212T213816_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_220210212T215135_20210212T221324_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
	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_SIN_220210212T190309_20210212T190316_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	208	208	208	0	0
SIR_SAR_1B	115	115	115	0	0
SIR_SIN_1B	110	110	110	0	0
SIR_LRM_2	208	208	206	2	0
SIR_SAR_2	110	114	114	0	0
SIR_SIN_2	114	110	106	4	0
SIR_GDR_2	15	15	0	0	15

6.1 QCC Errors

Number of products with QCC errors:

15

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

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

6.2 QCC Warnings

Number of QCC reports with warnings

Total number of occurrences of each warning

Total name of occasionate of authorizing							
Product Type	AXDME	AXSMMEOCI	-	-	-	-	-
SIR_GDR_2_	0	1					
SIR_LRM_2_	0	2					

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_20210212T234842_20210213T012757_D002