

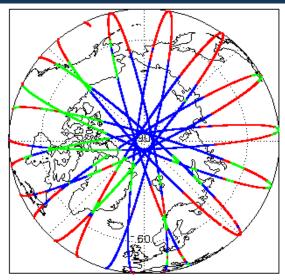
1. Overview

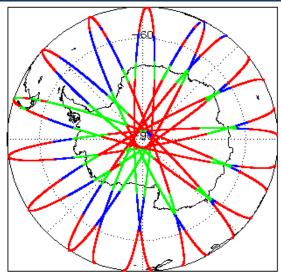
Report Production Date:	09-Jul-2020		
Processor Used:	CryoSat Ice Processor		
Data Used:	L1B and L2 OFFLINE Data		

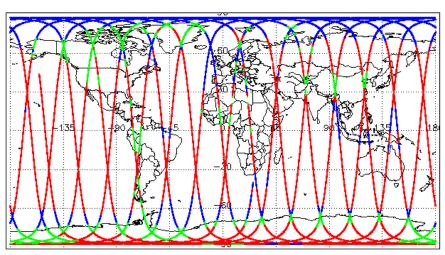
Check	Status		
Server check: science-pds.cryosat.esa.int	Nominal		
Server check: calval-pds.cryosat.esa.int	Nominal		
Product Software Check	Nominal		
Product Format Check	Nominal		
Product Header Analysis	Nominal		
Star Tracker Usage Check	Nominal		
L1B Tracking Flag Check	See Section 4.4		
L1B Calibration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

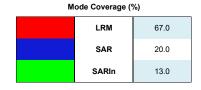
Mission / Instrument News						
09-Jun-2020	None					
10-Jun-2020	None					
11-Jun-2020	Nothing planned					

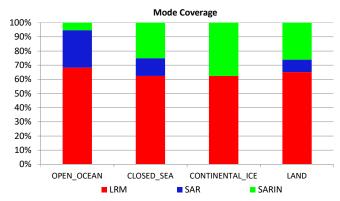
2. Global Coverage

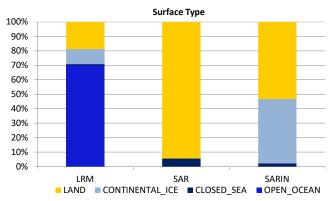












3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

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

Number of products with errors:

0

4.3 Star Tracker Usage Check

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

Number of products with errors:

4.4 L1B Tracking Flags Check

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

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

umber of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200610T002103_20200610T005556_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T010958_20200610T011020_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T011320_20200610T011410_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T011727_20200610T012020_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T014759_20200610T015306_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T015939_20200610T023542_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T025802_20200610T030230_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T033016_20200610T033210_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T033942_20200610T035227_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T035349_20200610T035350_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T035352_20200610T035630_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T040112_20200610T041539_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T044729_20200610T050142_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T050917_20200610T051120_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T051830_20200610T053227_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T053538_20200610T054501_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T054730_20200610T055521_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T060946_20200610T061114_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T061148_20200610T062428_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T063007_20200610T063812_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T064717_20200610T065524_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T072035_20200610T072205_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T072207_20200610T072210_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T072212_20200610T072223_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T072605_20200610T072650_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T072715_20200610T072719_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T072724_20200610T072737_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T072739_20200610T072742_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T072744_20200610T072752_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T072754_20200610T072802_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T072807_20200610T072840_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T072842_20200610T072906_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T072909_20200610T072909_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T072911_20200610T072919_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T072921_20200610T073444_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T074939_20200610T075609_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T075613_20200610T082233_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T082840_20200610T083404_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T090420_20200610T090429_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T090540_20200610T091119_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T091202_20200610T091234_D001	Loss of echo	The tracking echo is missing for one or more records

		1
CS_OFFL_SIR_LRM_1B_20200610T093322_20200610T093325_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T093327_20200610T093329_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T093332_20200610T093339_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T093348_20200610T093513_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T093515_20200610T093516_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T093518_20200610T100120_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T101639_20200610T104348_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T104350_20200610T104350_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T104353_20200610T104456_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T104458_20200610T104516_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T104519_20200610T104749_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T104822_20200610T105342_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T120335_20200610T121236_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T121320_20200610T121330_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T121334_20200610T121820_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T122420_20200610T122543_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T122555_20200610T122729_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T123019_20200610T123029_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T124624_20200610T125722_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T135639_20200610T140134_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T140154_20200610T140344_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T142251_20200610T142348_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T142404_20200610T145814_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T160122_20200610T161559_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T162040_20200610T162133_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T162135_20200610T162159_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T162202_20200610T162333_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T162448_20200610T163753_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T165542_20200610T170837_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T170839_20200610T170855_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T171109_20200610T172436_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T174031_20200610T174727_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T174031_20200610T174727_D001 CS_OFFL_SIR_LRM_1B_20200610T175035_20200610T180059_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_20200610T175035_20200610T180059_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T184515_D001	Loss of echo 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 The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T184515_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001	Loss of echo Loss of echo 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 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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T184515_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T184515_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_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
CS_OFFL_SIR_LRM_1B_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T184515_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T184515_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T192628_D001	Loss of echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T184515_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191859_2000610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_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
CS_OFFL_SIR_LRM_1B_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T184515_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192646_20200610T192714_D001	Loss of echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T184515_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191915_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192646_20200610T192714_D001	Loss of echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191915_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192646_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001	Loss of echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192646_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T193147_20200610T193308_D001 CS_OFFL_SIR_LRM_1B_20200610T193147_20200610T193308_D001	Loss of echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records 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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T184515_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192646_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T193008_D001 CS_OFFL_SIR_LRM_1B_20200610T193147_20200610T193008_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T200622_D001 CS_OFFL_SIR_LRM_1B_20200610T201040_20200610T203716_D001	Loss of echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records 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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T184515_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T191915_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192646_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T193308_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T200716_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T201040_20200610T203839_D001	Loss of echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records 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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191915_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T193147_20200610T193308_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T200622_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203839_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T2034441_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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T184515_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T200622_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T201040_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T201040_20200610T203839_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T2034441_D001 CS_OFFL_SIR_LRM_1B_20200610T204038_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T204038_20200610T2044441_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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T184515_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T191915_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192646_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T193008_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T200622_D001 CS_OFFL_SIR_LRM_1B_20200610T201040_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T201040_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T201040_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T201040_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T201040_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T204604_20200610T204645_D001 CS_OFFL_SIR_LRM_1B_20200610T204604_20200610T204645_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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T191915_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192646_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T193147_20200610T193308_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T200622_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T203839_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T203839_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T203839_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T203839_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T204445_D001 CS_OFFL_SIR_LRM_1B_20200610T204604_20200610T204645_D001 CS_OFFL_SIR_LRM_1B_20200610T204604_20200610T213457_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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T195047_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191915_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T193147_20200610T193308_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T200622_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203839_D001 CS_OFFL_SIR_LRM_1B_20200610T204038_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T204038_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T204038_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_202000610T2040040_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_202000610T2040040_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_202000610T2040040_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_202000610T2040040_20200610T204441_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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T2030716_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T201040_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T201040_20200610T203839_D001 CS_OFFL_SIR_LRM_1B_20200610T204038_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T204038_20200610T204645_D001 CS_OFFL_SIR_LRM_1B_20200610T201050_20200610T204645_D001 CS_OFFL_SIR_LRM_1B_20200610T210400_20200610T204645_D001 CS_OFFL_SIR_LRM_1B_20200610T210400_20200610T214629_D001 CS_OFFL_SIR_LRM_1B_20200610T211040_20200610T214629_D001 CS_OFFL_SIR_LRM_1B_20200610T2114304_20200610T214629_D001 CS_OFFL_SIR_LRM_1B_20200610T214304_20200610T214629_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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T195447_D001 CS_OFFL_SIR_LRM_1B_20200610T195610_20200610T19320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191915_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192646_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T200622_D001 CS_OFFL_SIR_LRM_1B_20200610T201040_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T201040_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T203399_D001 CS_OFFL_SIR_LRM_1B_20200610T204604_20200610T204645_D001 CS_OFFL_SIR_LRM_1B_20200610T204604_20200610T204645_D001 CS_OFFL_SIR_LRM_1B_20200610T210400_20200610T204645_D001 CS_OFFL_SIR_LRM_1B_20200610T210400_20200610T204645_D001 CS_OFFL_SIR_LRM_1B_20200610T210400_20200610T2144629_D001 CS_OFFL_SIR_LRM_1B_20200610T211040_20200610T214629_D001 CS_OFFL_SIR_LRM_1B_20200610T214304_20200610T224315_D001 CS_OFFL_SIR_LRM_1B_20200610T223941_20200610T224504_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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T184515_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T19320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T19320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191915_20200610T192638_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192646_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203022_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T201040_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T203715_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T203457_D001 CS_OFFL_SIR_LRM_1B_20200610T211040_20200610T213457_D001 CS_OFFL_SIR_LRM_1B_20200610T211040_20200610T213457_D001 CS_OFFL_SIR_LRM_1B_20200610T2134304_20200610T224504_D001 CS_OFFL_SIR_LRM_1B_20200610T224349_20200610T224504_D001 CS_OFFL_SIR_LRM_1B_20200610T224349_20200610T224504_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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T191859_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192646_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T19308_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T203718_20200610T203839_D001 CS_OFFL_SIR_LRM_1B_20200610T20400408_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040402000610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T20400404020200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T20400404020200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T204004_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040404_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040404_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040404_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040404_20200610T2040441_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040404_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040404_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040404_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T20400404_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T20400404_20200610T204604_D001 CS_OFFL_SIR_LRM_1B_202000610T204004_20200610T224600_D001 CS_OFFL_SIR_LRM_1B_202000610T224604_20200610T224600_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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T18515_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_202000610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192646_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T201040_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T201040_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T201040_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T204038_20200610T204645_D001 CS_OFFL_SIR_LRM_1B_20200610T201050_20200610T204645_D001 CS_OFFL_SIR_LRM_1B_20200610T210400_20200610T204645_D001 CS_OFFL_SIR_LRM_1B_20200610T210400_20200610T214629_D001 CS_OFFL_SIR_LRM_1B_20200610T214304_20200610T224461_D001 CS_OFFL_SIR_LRM_1B_20200610T224349_20200610T224450_D001 CS_OFFL_SIR_LRM_1B_20200610T224349_20200610T224460_D001 CS_OFFL_SIR_LRM_1B_20200610T224504_20200610T224600_D001 CS_OFFL_SIR_LRM_1B_20200610T224504_20200610T224600_D001 CS_OFFL_SIR_LRM_1B_20200610T224504_20200610T224600_D001 CS_OFFL_SIR_LRM_1B_20200610T224604_20200610T224608_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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T184515_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T195610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192646_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192753_D001 CS_OFFL_SIR_LRM_1B_20200610T193147_20200610T193308_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T204008_20200610T203839_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040408_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T204604_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T204604_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T204604_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T204604_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T204604_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T204604_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T204604_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T204504_20200610T204505_D001 CS_OFFL_SIR_LRM_1B_20200610T224504_20200610T224504_D001 CS_OFFL_SIR_LRM_1B_20200610T224504_20200610T224504_D001 CS_OFFL_SIR_LRM_1B_20200610T224504_20200610T224608_D001 CS_OFFL_SIR_LRM_1B_20200610T224607_20200610T224608_D001 CS_OFFL_SIR_LRM_1B_20200610T224607_20200610T224608_D001 CS_OFFL_SIR_LRM_1B_20200610T224607_20200610T224608_D001 CS_OFFL_SIR_LRM_1B_202000610T224607_20200610T224608_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_20200610T175035_20200610T180059_D001 CS_OFFL_SIR_LRM_1B_20200610T183521_20200610T183713_D001 CS_OFFL_SIR_LRM_1B_20200610T183954_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185001_20200610T185047_D001 CS_OFFL_SIR_LRM_1B_20200610T185052_20200610T185447_D001 CS_OFFL_SIR_LRM_1B_20200610T185610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T195610_20200610T190320_D001 CS_OFFL_SIR_LRM_1B_20200610T191823_20200610T192628_D001 CS_OFFL_SIR_LRM_1B_20200610T192631_20200610T192634_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192643_D001 CS_OFFL_SIR_LRM_1B_20200610T192640_20200610T192714_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192733_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T192733_D001 CS_OFFL_SIR_LRM_1B_20200610T192716_20200610T1927308_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203082_D001 CS_OFFL_SIR_LRM_1B_20200610T200406_20200610T203716_D001 CS_OFFL_SIR_LRM_1B_20200610T204038_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T204038_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040_20200610T204441_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040_20200610T2044045_D001 CS_OFFL_SIR_LRM_1B_20200610T2040040_20200610T2044045_D001 CS_OFFL_SIR_LRM_1B_20200610T21040_20200610T2044045_D001 CS_OFFL_SIR_LRM_1B_20200610T210400_20200610T214629_D001 CS_OFFL_SIR_LRM_1B_20200610T214304_20200610T224504_D001 CS_OFFL_SIR_LRM_1B_20200610T224349_20200610T224504_D001 CS_OFFL_SIR_LRM_1B_20200610T224504_20200610T224504_D001 CS_OFFL_SIR_LRM_1B_20200610T224504_20200610T224500_D001 CS_OFFL_SIR_LRM_1B_20200610T224604_20200610T224600_D001 CS_OFFL_SIR_LRM_1B_20200610T224604_20200610T224600_D001 CS_OFFL_SIR_LRM_1B_20200610T224604_20200610T224608_D001 CS_OFFL_SIR_LRM_1B_20200610T224601_20200610T2246032_D001 CS_OFFL_SIR_LRM_1B_20200610T224601_20200610T2246031_D001 CS_OFFL_SIR_LRM_1B_20200610T224601_20200610T2246051_D001	Loss of echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records

4.5 L1B Calibration Usage Check

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

Number of products with errors:

4.6 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.7 L1B Auxiliary Correction Error Check

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

Number of products with errors:

4.8 L1B Measurement Confidence Data Check

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200610T210150_20200610T210629_D001	IECHO error TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

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:

5.4 L2 Auxiliary Correction Error Check

CryoSat L2 data includes a correction error flag (field 30) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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

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

Number of products with errors: 48

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220200610T002103_20200610T005556_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_220200610T012632_20200610T014335_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_220200610T015939_20200610T023542_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_220200610T024716_20200610T024730_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_220200610T025802_20200610T030230_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_220200610T030304_20200610T032041_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_220200610T033942_20200610T035227_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_220200610T035352_20200610T035630_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_220200610T040112_20200610T041539_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_220200610T042834_20200610T044543_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_220200610T044729_20200610T050142_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_220200610T051830_20200610T053227_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_220200610T053538_20200610T054501_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_220200610T060946_20200610T061114_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200610T061148_20200610T062428_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_220200610T063007_20200610T063812_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_220200610T065802_20200610T071311_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_220200610T075613_20200610T082233_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_220200610T083804_20200610T090153_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_220200610T093518_20200610T100120_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_220200610T101639_20200610T104348_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_220200610T104822_20200610T105342_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_220200610T110733_20200610T113958_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_220200610T115552_20200610T120034_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_220200610T123134_20200610T123422_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_220200610T124624_20200610T125722_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_220200610T125806_20200610T131954_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_220200610T133540_20200610T135311_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_220200610T142404_20200610T145814_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_220200610T151720_20200610T154844_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_220200610T160122_20200610T161559_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_220200610T162040_20200610T162133_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_220200610T162202_20200610T162333_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_220200610T162448_20200610T163753_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_220200610T165542_20200610T170837_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_220200610T171109_20200610T172436_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_220200610T175035_20200610T180059_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_220200610T180239_20200610T181642_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_220200610T183954_20200610T184515_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_220200610T185001_20200610T185047_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200610T185052_20200610T185447_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_220200610T185610_20200610T190320_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_220200610T193501_20200610T195518_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_220200610T201040_20200610T203716_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_220200610T211040_20200610T213457_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_220200610T215008_20200610T222234_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_220200610T224655_20200610T230634_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_220200610T233001_20200611T000248_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

6. QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_LRM_1B	155	155	155	0	0
SIR_SAR_1B	95	95	95	0	0
SIR_SIN_1B	94	94	94	0	0
SIR_LRM_2	155	155	151	4	0
SIR_SAR_2	94	95	95	0	0
SIR_SIN_2	95	94	91	3	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 | MPHYPFNCDF | MPHZPFNCDF | MPHZVFNCDF | STRUCTURESIZ

SIR_GDR_2_	15	15	15	15	15	15	15	15		
		•	•							
Test Description	Key:									
Abbreviation	Test na	ime		Details						
MPHDUTNCDF	MPH_De	elta_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)						
MPHYVENCDE	MPH Y	Velocity Float v2	NetCDF	Y Velocity mismat	ch (DBL float (GDF	R), rounded to 1)				

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)
STRUCTURESIZEANDFSTRUCTURE_SIZE_AND_READ Under investigation.

MPH_Z_Position_Float_v2_NetCDF

6.2 QCC Warnings

MPHZPFNCDF

Number of QCC reports with warnings

7

Total num	iber of occi	urrences of e	ach warning

	rotal number of occurrences of each warning						
Product Type	AXDME	AXSMMEOCI	-	-	-	-	-
SIR_LRM_2_	0	4					
SIR_SIN_2_	3	0					
		•	•	,	•	,	,
Product Type	-	•	-	-	-	-	-
SIR_LRM_2_							
SIR_SIN_2_							
		•	•	,	•	,	,
Product Type	-	•	•	-	•	-	-
SIR_LRM_2_							
SIR_SIN_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:

0