

24/05/2021



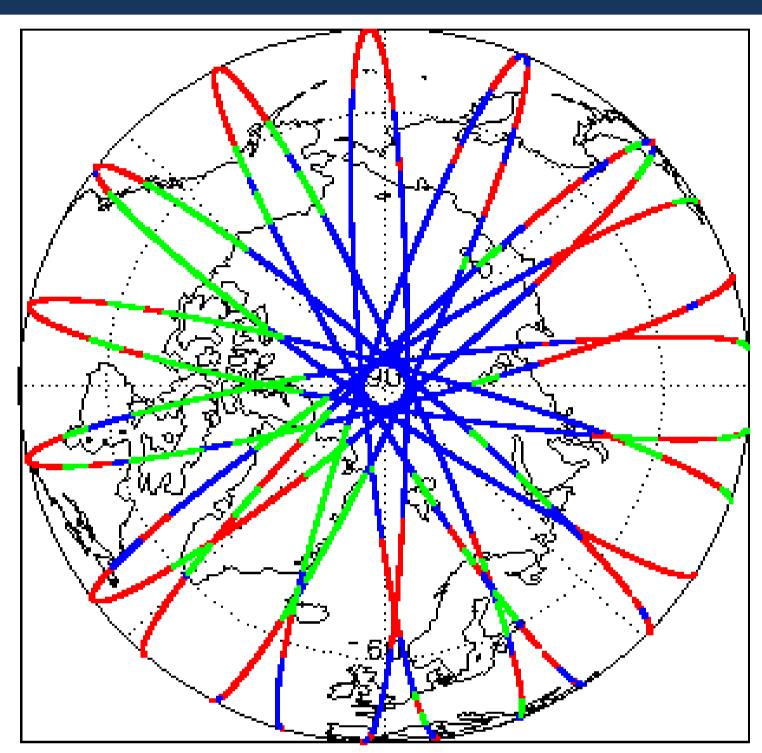
1. Overview

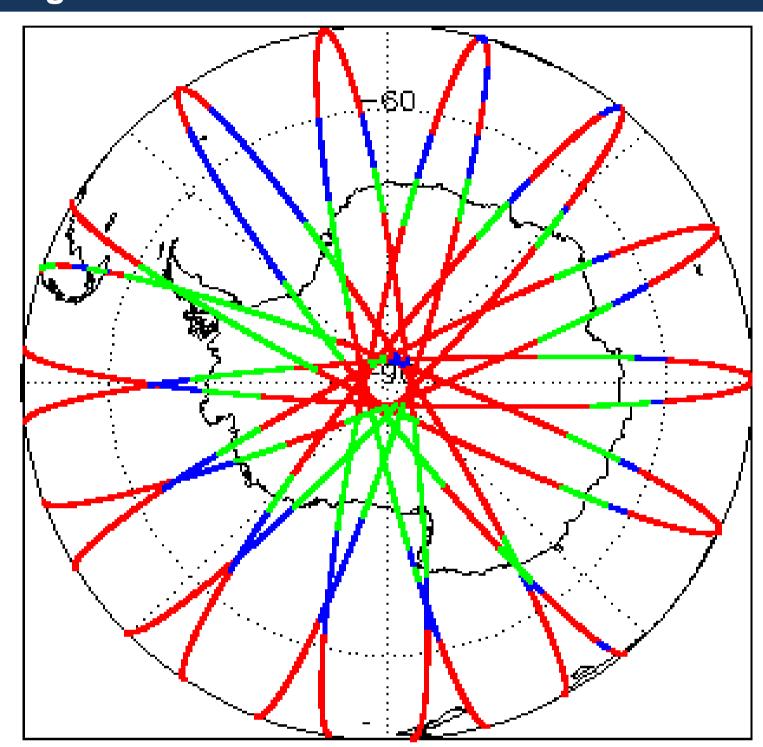
Report Production Date:	23-Jun-2021 CryoSat Ice Processor			
Processor Used:				
Data Used:	L1B and L2 OFFLINE Data			

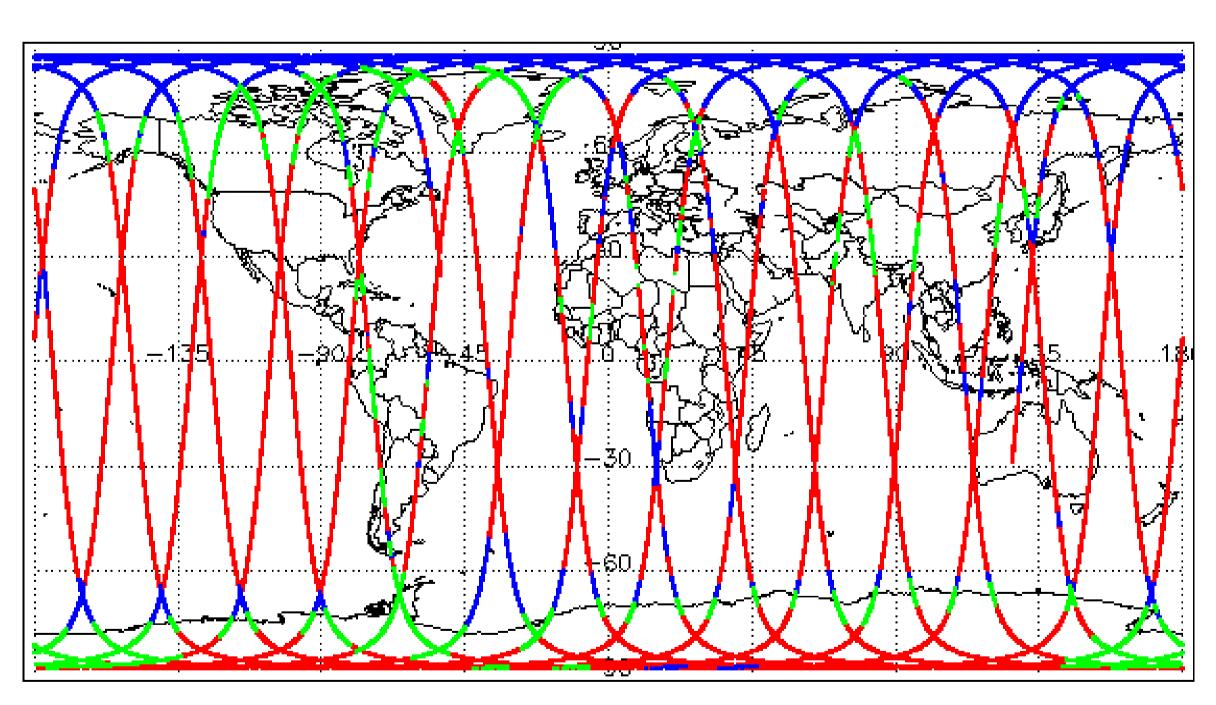
Check	Status		
Server check: science-pds.cryosat.esa.int	Nominal		
Server check: calval-pds.cryosat.esa.int	Nominal		
Product Software Check	Nominal		
Product Format Check	Nominal		
Product Header Analysis	Nominal		
Star Tracker Usage Check	Nominal		
L1B Tracking Flag Check	See Section 4.4		
L1B Calibration 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		

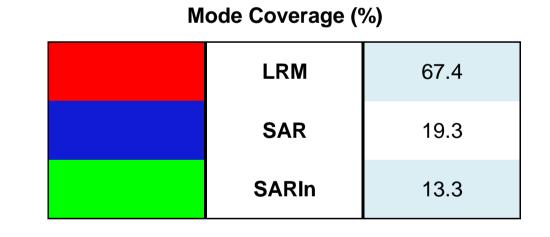
Mission / Instru	ıment News
23-May-2021	None
24-May-2021	None
25-May-2021	Nothing planned

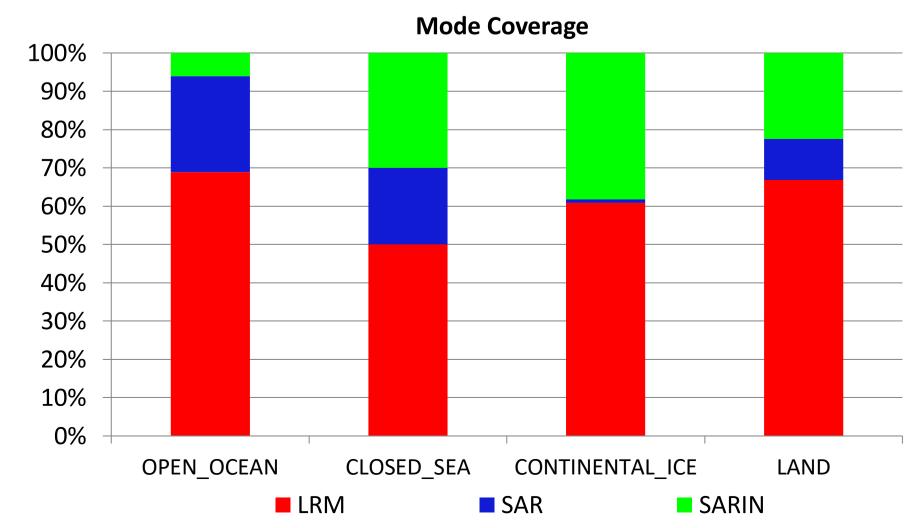
2. Global Coverage

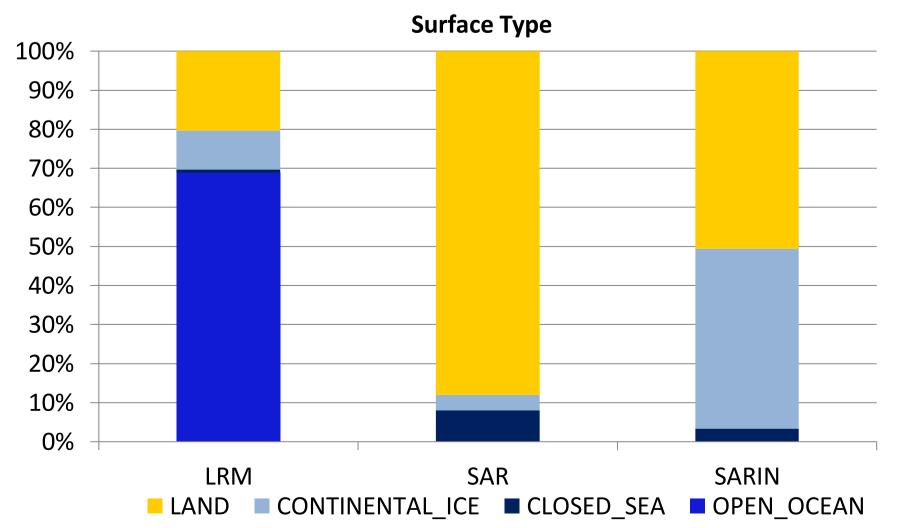












3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

0

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

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

Number of products with errors:

4.3 Star Tracker Usage Check

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

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.

Number of products with errors:

101

0

Product	Test Failed	Description
S_OFFL_SIR_LRM_1B_20210523T235333_20210524T000614_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T002252_20210524T002253_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T002255_20210524T002324_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T002326_20210524T002341_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T002343_20210524T002936_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T003255_20210524T004320_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T011817_20210524T011956_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T011958_20210524T012001_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T012004_20210524T012024_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T012316_20210524T012725_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T013236_20210524T013355_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T013358_20210524T013712_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T013836_20210524T014545_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T020139_20210524T020818_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T020820_20210524T021019_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T021400_20210524T021639_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T025247_20210524T031819_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T031821_20210524T031824_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T031826_20210524T031858_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T031902_20210524T032707_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T034414_20210524T034845_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T034848_20210524T034851_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T035302_20210524T035417_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T042530_20210524T042855_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T052205_20210524T052541_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T052802_20210524T052814_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T052817_20210524T052824_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T052828_20210524T054929_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T055958_20210524T060803_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T061139_20210524T064522_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T065846_20210524T065941_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T070333_20210524T070658_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T070717_20210524T070757_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T071336_20210524T071847_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T072009_20210524T072517_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T073935_20210524T074451_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T082700_20210524T082729_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T084509_20210524T084536_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T084641_20210524T084819_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T084852_20210524T085346_D001	Loss of echo	The tracking echo is missing for one or more records
S_OFFL_SIR_LRM_1B_20210524T092101_20210524T092353_D001	Loss of echo	The tracking echo is missing for one or more records

00 0551 015 1554 45 00040504700050 000405047005740 5004		
CS_OFFL_SIR_LRM_1B_20210524T093052_20210524T095712_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T100518_20210524T100723_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T111512_20210524T112615_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T112617_20210524T113659_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T114051_20210524T114711_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T120023_20210524T121607_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T121832_20210524T122120_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T122226_20210524T122440_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T122451_20210524T123328_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T123947_20210524T124219_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T124938_20210524T130354_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T130535_20210524T130938_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T131244_20210524T131741_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T131743_20210524T132043_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T132114_20210524T132714_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T133936_20210524T134102_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T134225_20210524T134934_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T135057_20210524T141435_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T142856_20210524T145235_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T145243_20210524T145300_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T145606_20210524T145701_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T145000_20210524T145701_D001 CS_OFFL_SIR_LRM_1B_20210524T145838_20210524T150216_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_20210524T143838_20210524T150216_D001 CS_OFFL_SIR_LRM_1B_20210524T151717_20210524T151813_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T151935_20210524T152707_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T152710_20210524T152921_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T152925_20210524T155325_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T160820_20210524T163257_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T163300_20210524T163521_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T163523_20210524T163525_D001	Loss of echo	The tracking echo is missing for one or more records
00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
CS_OFFL_SIR_LRM_1B_20210524T163530_20210524T164055_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T164055_20210524T164307_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T164055_20210524T164307_D001 CS_OFFL_SIR_LRM_1B_20210524T174635_20210524T180558_D001		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_20210524T164055_20210524T164307_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210524T164055_20210524T164307_D001 CS_OFFL_SIR_LRM_1B_20210524T174635_20210524T180558_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
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CS_OFFL_SIR_LRM_1B_20210524T164055_20210524T164307_D001 CS_OFFL_SIR_LRM_1B_20210524T174635_20210524T180558_D001 CS_OFFL_SIR_LRM_1B_20210524T180600_20210524T181253_D001 CS_OFFL_SIR_LRM_1B_20210524T181433_20210524T181541_D001 CS_OFFL_SIR_LRM_1B_20210524T181720_20210524T181822_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
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CS_OFFL_SIR_LRM_1B_20210524T164055_20210524T164307_D001 CS_OFFL_SIR_LRM_1B_20210524T174635_20210524T180558_D001 CS_OFFL_SIR_LRM_1B_20210524T180600_20210524T181253_D001 CS_OFFL_SIR_LRM_1B_20210524T181433_20210524T181541_D001 CS_OFFL_SIR_LRM_1B_20210524T181720_20210524T181822_D001 CS_OFFL_SIR_LRM_1B_20210524T181720_20210524T182038_D001 CS_OFFL_SIR_LRM_1B_20210524T182303_20210524T182331_D001 CS_OFFL_SIR_LRM_1B_20210524T182303_20210524T182331_D001 CS_OFFL_SIR_LRM_1B_20210524T194011_20210524T194155_D001 CS_OFFL_SIR_LRM_1B_20210524T194206_20210524T194428_D001 CS_OFFL_SIR_LRM_1B_20210524T194400_20210524T194919_D001 CS_OFFL_SIR_LRM_1B_20210524T195102_20210524T195345_D001 CS_OFFL_SIR_LRM_1B_20210524T195630_20210524T195743_D001 CS_OFFL_SIR_LRM_1B_20210524T202903_20210524T205029_D001 CS_OFFL_SIR_LRM_1B_20210524T205819_20210524T210228_D001 CS_OFFL_SIR_LRM_1B_20210524T21925_20210524T21643_D001 CS_OFFL_SIR_LRM_1B_20210524T211925_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215414_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_20210524T164055_20210524T164307_D001 CS_OFFL_SIR_LRM_1B_20210524T174635_20210524T180558_D001 CS_OFFL_SIR_LRM_1B_20210524T180600_20210524T181253_D001 CS_OFFL_SIR_LRM_1B_20210524T181433_20210524T181541_D001 CS_OFFL_SIR_LRM_1B_20210524T181720_20210524T181822_D001 CS_OFFL_SIR_LRM_1B_20210524T181916_20210524T182038_D001 CS_OFFL_SIR_LRM_1B_20210524T182033_20210524T182331_D001 CS_OFFL_SIR_LRM_1B_20210524T194011_20210524T194155_D001 CS_OFFL_SIR_LRM_1B_20210524T194011_20210524T194428_D001 CS_OFFL_SIR_LRM_1B_20210524T194440_20210524T194919_D001 CS_OFFL_SIR_LRM_1B_20210524T194440_20210524T195345_D001 CS_OFFL_SIR_LRM_1B_20210524T195630_20210524T195743_D001 CS_OFFL_SIR_LRM_1B_20210524T202903_20210524T205029_D001 CS_OFFL_SIR_LRM_1B_20210524T202903_20210524T20228_D001 CS_OFFL_SIR_LRM_1B_20210524T2052819_20210524T210228_D001 CS_OFFL_SIR_LRM_1B_20210524T20524T21925_20210524T21023_D001 CS_OFFL_SIR_LRM_1B_20210524T213930_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_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_20210524T164055_20210524T164307_D001 CS_OFFL_SIR_LRM_1B_20210524T174635_20210524T180558_D001 CS_OFFL_SIR_LRM_1B_20210524T180600_20210524T181253_D001 CS_OFFL_SIR_LRM_1B_20210524T181433_20210524T181541_D001 CS_OFFL_SIR_LRM_1B_20210524T181720_20210524T181822_D001 CS_OFFL_SIR_LRM_1B_20210524T181916_20210524T182038_D001 CS_OFFL_SIR_LRM_1B_20210524T182033_20210524T182331_D001 CS_OFFL_SIR_LRM_1B_20210524T194011_20210524T194155_D001 CS_OFFL_SIR_LRM_1B_20210524T194011_20210524T194428_D001 CS_OFFL_SIR_LRM_1B_20210524T194206_20210524T194919_D001 CS_OFFL_SIR_LRM_1B_20210524T194440_20210524T195345_D001 CS_OFFL_SIR_LRM_1B_20210524T195630_20210524T195743_D001 CS_OFFL_SIR_LRM_1B_20210524T202903_20210524T20529_D001 CS_OFFL_SIR_LRM_1B_20210524T205819_20210524T210228_D001 CS_OFFL_SIR_LRM_1B_20210524T205819_20210524T212643_D001 CS_OFFL_SIR_LRM_1B_20210524T21925_20210524T214023_D001 CS_OFFL_SIR_LRM_1B_20210524T213930_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215414_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215414_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215445_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_20210524T164055_20210524T164307_D001 CS_OFFL_SIR_LRM_1B_20210524T174635_20210524T180558_D001 CS_OFFL_SIR_LRM_1B_20210524T180600_20210524T181253_D001 CS_OFFL_SIR_LRM_1B_20210524T181433_20210524T181541_D001 CS_OFFL_SIR_LRM_1B_20210524T181720_20210524T181822_D001 CS_OFFL_SIR_LRM_1B_20210524T181916_20210524T182038_D001 CS_OFFL_SIR_LRM_1B_20210524T182303_20210524T182033_D001 CS_OFFL_SIR_LRM_1B_20210524T182303_20210524T182331_D001 CS_OFFL_SIR_LRM_1B_20210524T194011_20210524T194155_D001 CS_OFFL_SIR_LRM_1B_20210524T194206_20210524T194428_D001 CS_OFFL_SIR_LRM_1B_20210524T194440_20210524T194919_D001 CS_OFFL_SIR_LRM_1B_20210524T195630_20210524T195345_D001 CS_OFFL_SIR_LRM_1B_20210524T195630_20210524T195743_D001 CS_OFFL_SIR_LRM_1B_20210524T202903_20210524T205029_D001 CS_OFFL_SIR_LRM_1B_20210524T202903_20210524T210228_D001 CS_OFFL_SIR_LRM_1B_20210524T215630_20210524T212643_D001 CS_OFFL_SIR_LRM_1B_20210524T21592_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215414_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215414_D001 CS_OFFL_SIR_LRM_1B_20210524T2154405_20210524T215415_D001 CS_OFFL_SIR_LRM_1B_20210524T2154405_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T2154405_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T2154405_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T2154405_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T2154405_20210524T215445_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_20210524T164055_20210524T164307_D001 CS_OFFL_SIR_LRM_1B_20210524T174635_20210524T180558_D001 CS_OFFL_SIR_LRM_1B_20210524T180600_20210524T181253_D001 CS_OFFL_SIR_LRM_1B_20210524T181433_20210524T181541_D001 CS_OFFL_SIR_LRM_1B_20210524T181720_20210524T181822_D001 CS_OFFL_SIR_LRM_1B_20210524T181916_20210524T182331_D001 CS_OFFL_SIR_LRM_1B_20210524T182303_20210524T182331_D001 CS_OFFL_SIR_LRM_1B_20210524T194011_20210524T194155_D001 CS_OFFL_SIR_LRM_1B_20210524T194206_20210524T194919_D001 CS_OFFL_SIR_LRM_1B_20210524T194400_20210524T194919_D001 CS_OFFL_SIR_LRM_1B_20210524T195102_20210524T195345_D001 CS_OFFL_SIR_LRM_1B_20210524T195630_20210524T195743_D001 CS_OFFL_SIR_LRM_1B_20210524T202903_20210524T205029_D001 CS_OFFL_SIR_LRM_1B_20210524T202903_20210524T210228_D001 CS_OFFL_SIR_LRM_1B_20210524T215403_20210524T21643_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215414_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215414_D001 CS_OFFL_SIR_LRM_1B_20210524T215416_20210524T215415_D001 CS_OFFL_SIR_LRM_1B_20210524T2154405_20210524T215415_D001 CS_OFFL_SIR_LRM_1B_20210524T2154405_20210524T215425_D001 CS_OFFL_SIR_LRM_1B_20210524T2154405_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T2154440_20210524T215455_D001 CS_OFFL_SIR_LRM_1B_20210524T2154440_20210524T215455_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_20210524T164055_20210524T164307_D001 CS_OFFL_SIR_LRM_1B_20210524T174635_20210524T180558_D001 CS_OFFL_SIR_LRM_1B_20210524T180600_20210524T181253_D001 CS_OFFL_SIR_LRM_1B_20210524T181433_20210524T181541_D001 CS_OFFL_SIR_LRM_1B_20210524T181720_20210524T181822_D001 CS_OFFL_SIR_LRM_1B_20210524T181916_20210524T182038_D001 CS_OFFL_SIR_LRM_1B_20210524T182303_20210524T182331_D001 CS_OFFL_SIR_LRM_1B_20210524T194011_20210524T194155_D001 CS_OFFL_SIR_LRM_1B_20210524T194011_20210524T194428_D001 CS_OFFL_SIR_LRM_1B_20210524T194440_20210524T194919_D001 CS_OFFL_SIR_LRM_1B_20210524T195102_20210524T195345_D001 CS_OFFL_SIR_LRM_1B_20210524T195630_20210524T195743_D001 CS_OFFL_SIR_LRM_1B_20210524T202903_20210524T210228_D001 CS_OFFL_SIR_LRM_1B_20210524T205819_20210524T210228_D001 CS_OFFL_SIR_LRM_1B_20210524T213930_20210524T212643_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215405_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215405_D001 CS_OFFL_SIR_LRM_1B_20210524T215409_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T215452_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T2154552_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T2154552_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T225455_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_20210524T164055_20210524T164307_D001 CS_OFFL_SIR_LRM_1B_20210524T174635_20210524T180558_D001 CS_OFFL_SIR_LRM_1B_20210524T180600_20210524T181253_D001 CS_OFFL_SIR_LRM_1B_20210524T181433_20210524T181541_D001 CS_OFFL_SIR_LRM_1B_20210524T181720_20210524T181541_D001 CS_OFFL_SIR_LRM_1B_20210524T181720_20210524T182038_D001 CS_OFFL_SIR_LRM_1B_20210524T182303_20210524T182331_D001 CS_OFFL_SIR_LRM_1B_20210524T194011_20210524T194155_D001 CS_OFFL_SIR_LRM_1B_20210524T194011_20210524T194155_D001 CS_OFFL_SIR_LRM_1B_20210524T194206_20210524T194128_D001 CS_OFFL_SIR_LRM_1B_20210524T195102_20210524T195345_D001 CS_OFFL_SIR_LRM_1B_20210524T195630_20210524T195743_D001 CS_OFFL_SIR_LRM_1B_20210524T202903_20210524T210228_D001 CS_OFFL_SIR_LRM_1B_20210524T205819_20210524T210228_D001 CS_OFFL_SIR_LRM_1B_20210524T211925_20210524T212643_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215414_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215414_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215414_D001 CS_OFFL_SIR_LRM_1B_20210524T215440_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215440_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T2215449_20210524T215445_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_20210524T164055_20210524T164307_D001 CS_OFFL_SIR_LRM_1B_20210524T174635_20210524T180558_D001 CS_OFFL_SIR_LRM_1B_20210524T180600_20210524T181253_D001 CS_OFFL_SIR_LRM_1B_20210524T181433_20210524T181541_D001 CS_OFFL_SIR_LRM_1B_20210524T181433_20210524T181541_D001 CS_OFFL_SIR_LRM_1B_20210524T181916_20210524T182038_D001 CS_OFFL_SIR_LRM_1B_20210524T182303_20210524T182331_D001 CS_OFFL_SIR_LRM_1B_20210524T182303_20210524T182331_D001 CS_OFFL_SIR_LRM_1B_20210524T194011_20210524T194155_D001 CS_OFFL_SIR_LRM_1B_20210524T194206_20210524T194155_D001 CS_OFFL_SIR_LRM_1B_20210524T194440_20210524T194919_D001 CS_OFFL_SIR_LRM_1B_20210524T195102_20210524T195345_D001 CS_OFFL_SIR_LRM_1B_20210524T195630_20210524T195743_D001 CS_OFFL_SIR_LRM_1B_20210524T29903_20210524T205029_D001 CS_OFFL_SIR_LRM_1B_20210524T205819_20210524T2028_D001 CS_OFFL_SIR_LRM_1B_20210524T205819_20210524T210228_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215414_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215414_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215414_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215414_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215415_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215415_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215415_D001 CS_OFFL_SIR_LRM_1B_20210524T215444_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215444_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215444_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T2215445_20210524T222945_D001 CS_OFFL_SIR_LRM_1B_20210524T223731_20210524T223046_D001 CS_OFFL_SIR_LRM_1B_20210524T223325_20210524T2333250_D001 CS_OFFL_SIR_LRM_1B_20210524T233231_20210524T233314_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_20210524T164055_20210524T164307_D001 CS_OFFL_SIR_LRM_1B_20210524T174635_20210524T180558_D001 CS_OFFL_SIR_LRM_1B_20210524T180600_20210524T181253_D001 CS_OFFL_SIR_LRM_1B_20210524T181433_20210524T181541_D001 CS_OFFL_SIR_LRM_1B_20210524T181433_20210524T181541_D001 CS_OFFL_SIR_LRM_1B_20210524T181916_20210524T182038_D001 CS_OFFL_SIR_LRM_1B_20210524T182303_20210524T182331_D001 CS_OFFL_SIR_LRM_1B_20210524T182303_20210524T182331_D001 CS_OFFL_SIR_LRM_1B_20210524T194011_20210524T194155_D001 CS_OFFL_SIR_LRM_1B_20210524T194011_20210524T194155_D001 CS_OFFL_SIR_LRM_1B_20210524T194006_20210524T194919_D001 CS_OFFL_SIR_LRM_1B_20210524T194006_20210524T194919_D001 CS_OFFL_SIR_LRM_1B_20210524T194000_20210524T194919_D001 CS_OFFL_SIR_LRM_1B_20210524T195630_20210524T195743_D001 CS_OFFL_SIR_LRM_1B_20210524T205000_20210524T195743_D001 CS_OFFL_SIR_LRM_1B_20210524T205000_20210524T205029_D001 CS_OFFL_SIR_LRM_1B_20210524T205000_20210524T210228_D001 CS_OFFL_SIR_LRM_1B_20210524T21925_20210524T210228_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T21023_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215406_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215406_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T2154416_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215424_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215424_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T22345_D001 CS_OFFL_SIR_LRM_1B_20210524T223325_20210524T22345_D001 CS_OFFL_SIR_LRM_1B_20210524T223325_20210524T2233250_D001 CS_OFFL_SIR_LRM_1B_20210524T223325_20210524T233314_D001 CS_OFFL_SIR_LRM_1B_20210524T233252_20210524T233330_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_20210524T164055_20210524T164307_D001 CS_OFFL_SIR_LRM_1B_20210524T174635_20210524T180558_D001 CS_OFFL_SIR_LRM_1B_20210524T180600_20210524T181253_D001 CS_OFFL_SIR_LRM_1B_20210524T181433_20210524T181541_D001 CS_OFFL_SIR_LRM_1B_20210524T181433_20210524T181822_D001 CS_OFFL_SIR_LRM_1B_20210524T181916_20210524T182038_D001 CS_OFFL_SIR_LRM_1B_20210524T182303_20210524T182331_D001 CS_OFFL_SIR_LRM_1B_20210524T182303_20210524T182331_D001 CS_OFFL_SIR_LRM_1B_20210524T194011_20210524T194155_D001 CS_OFFL_SIR_LRM_1B_20210524T194206_20210524T194428_D001 CS_OFFL_SIR_LRM_1B_20210524T194206_20210524T194919_D001 CS_OFFL_SIR_LRM_1B_20210524T195102_20210524T195743_D001 CS_OFFL_SIR_LRM_1B_20210524T202903_20210524T295029_D001 CS_OFFL_SIR_LRM_1B_20210524T202903_20210524T210228_D001 CS_OFFL_SIR_LRM_1B_20210524T205819_20210524T210228_D001 CS_OFFL_SIR_LRM_1B_20210524T21925_20210524T212643_D001 CS_OFFL_SIR_LRM_1B_20210524T21925_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215414_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215414_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T215452_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T2215449_2010524T223945_D001 CS_OFFL_SIR_LRM_1B_20210524T223325_20210524T223325_D001 CS_OFFL_SIR_LRM_1B_20210524T223325_20210524T2233314_D001 CS_OFFL_SIR_LRM_1B_20210524T233231_20210524T2333314_D001 CS_OFFL_SIR_LRM_1B_20210524T2333317_20210524T233339_D001 CS_OFFL_SIR_LRM_1B_20210524T2333317_20210524T233339_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_20210524T164055_20210524T164307_D001 CS_OFFL_SIR_LRM_1B_20210524T174635_20210524T180558_D001 CS_OFFL_SIR_LRM_1B_20210524T180600_20210524T181253_D001 CS_OFFL_SIR_LRM_1B_20210524T181433_20210524T181541_D001 CS_OFFL_SIR_LRM_1B_20210524T181433_20210524T181822_D001 CS_OFFL_SIR_LRM_1B_20210524T181916_20210524T182038_D001 CS_OFFL_SIR_LRM_1B_20210524T182303_20210524T182331_D001 CS_OFFL_SIR_LRM_1B_20210524T182303_20210524T182331_D001 CS_OFFL_SIR_LRM_1B_20210524T194011_20210524T194155_D001 CS_OFFL_SIR_LRM_1B_20210524T194011_20210524T194155_D001 CS_OFFL_SIR_LRM_1B_20210524T194006_20210524T194919_D001 CS_OFFL_SIR_LRM_1B_20210524T194440_20210524T194919_D001 CS_OFFL_SIR_LRM_1B_20210524T19502_20210524T195345_D001 CS_OFFL_SIR_LRM_1B_20210524T195630_20210524T195743_D001 CS_OFFL_SIR_LRM_1B_20210524T205903_20210524T205029_D001 CS_OFFL_SIR_LRM_1B_20210524T205819_20210524T205029_D001 CS_OFFL_SIR_LRM_1B_20210524T211925_20210524T210228_D001 CS_OFFL_SIR_LRM_1B_20210524T215902_20210524T210228_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215400_20210524T215403_D001 CS_OFFL_SIR_LRM_1B_20210524T215405_20210524T215422_D001 CS_OFFL_SIR_LRM_1B_20210524T215406_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T2154416_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T2154416_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215424_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T215445_D001 CS_OFFL_SIR_LRM_1B_20210524T220325_20210524T22345_D001 CS_OFFL_SIR_LRM_1B_20210524T215449_20210524T22345_D001 CS_OFFL_SIR_LRM_1B_20210524T223311_20210524T2230046_D001 CS_OFFL_SIR_LRM_1B_20210524T2233252_20210524T233314_D001 CS_OFFL_SIR_LRM_1B_20210524T233252_20210524T233330_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.

0

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_SIN_1B_20210524T145236_20210524T145242_D001	Cal1 corr. missing	The Cal1 correction has not been applied

4.6 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.7 L1B Auxiliary Correction Error Check

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

Number of products with errors:

4.8 L1B Measurement Confidence Data Check

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

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

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

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

Number of products with errors:

ProductTest FailedDescriptionCS_OFFL_SIR_SIN_1B_20210524T145236_20210524T145242_D001Call Correction missing,The Call Correction has not been applied

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors: 0

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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: 72

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220210523T235333_20210524T000614_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_220210524T000825_20210524T001007_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_220210524T002255_20210524T002324_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210524T003255_20210524T004320_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_220210524T004459_20210524T005911_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_220210524T012316_20210524T012725_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_220210524T013236_20210524T013355_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210524T013358_20210524T013712_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_220210524T013836_20210524T014545_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_220210524T020139_20210524T020818_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210524T021400_20210524T021639_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_220210524T021722_20210524T023749_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_220210524T025247_20210524T031819_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_220210524T034148_20210524T034251_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_220210524T035302_20210524T035417_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_220210524T035422_20210524T041759_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_220210524T043226_20210524T050448_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_220210524T052828_20210524T054929_D001	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), Height Error	There is a height and backscatter error for Retracker 2 , a height error for
CS_OFFL_SIR_LRM_220210524T055148_20210524T055726_D001	(Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable	Retracker 3 and no DEM or Slope Model was used for the location of one
CS_OFFL_SIR_LRM_220210524T055148_20210524T055726_D001 CS_OFFL_SIR_LRM_220210524T061139_20210524T064522_D001	(Retracker 3), Backscatter Error	Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one
	(Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one
CS_OFFL_SIR_LRM_220210524T061139_20210524T064522_D001	(Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Backscatter	Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220210524T061139_20210524T064522_D001 CS_OFFL_SIR_LRM_220210524T065846_20210524T065941_D001	(Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220210524T061139_20210524T064522_D001 CS_OFFL_SIR_LRM_220210524T065846_20210524T065941_D001 CS_OFFL_SIR_LRM_220210524T070717_20210524T070757_D001	(Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220210524T061139_20210524T064522_D001 CS_OFFL_SIR_LRM_220210524T065846_20210524T065941_D001 CS_OFFL_SIR_LRM_220210524T070717_20210524T070757_D001 CS_OFFL_SIR_LRM_220210524T075130_20210524T081306_D001	(Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error	Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220210524T061139_20210524T064522_D001 CS_OFFL_SIR_LRM_220210524T065846_20210524T065941_D001 CS_OFFL_SIR_LRM_220210524T070717_20210524T070757_D001 CS_OFFL_SIR_LRM_220210524T075130_20210524T081306_D001 CS_OFFL_SIR_LRM_220210524T081552_20210524T082511_D001	(Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter (Retracker 2)	Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20210524T061139_20210524T064522_D001 CS_OFFL_SIR_LRM_2_20210524T065846_20210524T065941_D001 CS_OFFL_SIR_LRM_2_20210524T070717_20210524T070757_D001 CS_OFFL_SIR_LRM_2_20210524T075130_20210524T081306_D001 CS_OFFL_SIR_LRM_2_20210524T081552_20210524T082511_D001 CS_OFFL_SIR_LRM_2_20210524T083653_20210524T084125_D001	(Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20210524T061139_20210524T064522_D001 CS_OFFL_SIR_LRM_2_20210524T065846_20210524T065941_D001 CS_OFFL_SIR_LRM_2_20210524T070717_20210524T070757_D001 CS_OFFL_SIR_LRM_2_20210524T075130_20210524T081306_D001 CS_OFFL_SIR_LRM_2_20210524T081552_20210524T082511_D001 CS_OFFL_SIR_LRM_2_20210524T083653_20210524T084125_D001 CS_OFFL_SIR_LRM_2_20210524T083653_20210524T084536_D001	(Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20210524T061139_20210524T064522_D001 CS_OFFL_SIR_LRM_2_20210524T065846_20210524T065941_D001 CS_OFFL_SIR_LRM_2_20210524T070717_20210524T070757_D001 CS_OFFL_SIR_LRM_2_20210524T075130_20210524T081306_D001 CS_OFFL_SIR_LRM_2_20210524T081552_20210524T082511_D001 CS_OFFL_SIR_LRM_2_20210524T083653_20210524T084125_D001 CS_OFFL_SIR_LRM_2_20210524T084509_20210524T084536_D001 CS_OFFL_SIR_LRM_2_20210524T084641_20210524T084819_D001	(Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2)	Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20210524T061139_20210524T064522_D001 CS_OFFL_SIR_LRM_2_20210524T065846_20210524T065941_D001 CS_OFFL_SIR_LRM_2_20210524T070717_20210524T070757_D001 CS_OFFL_SIR_LRM_2_20210524T075130_20210524T081306_D001 CS_OFFL_SIR_LRM_2_20210524T081552_20210524T082511_D001 CS_OFFL_SIR_LRM_2_20210524T083653_20210524T084125_D001 CS_OFFL_SIR_LRM_2_20210524T084509_20210524T084536_D001 CS_OFFL_SIR_LRM_2_20210524T084641_20210524T084819_D001 CS_OFFL_SIR_LRM_2_20210524T084641_20210524T084819_D001	(Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3) Height Error (Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error	Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20210524T061139_20210524T064522_D001 CS_OFFL_SIR_LRM_2_20210524T065846_20210524T065941_D001 CS_OFFL_SIR_LRM_2_20210524T070717_20210524T070757_D001 CS_OFFL_SIR_LRM_2_20210524T075130_20210524T081306_D001 CS_OFFL_SIR_LRM_2_20210524T081552_20210524T082511_D001 CS_OFFL_SIR_LRM_2_20210524T083653_20210524T084125_D001 CS_OFFL_SIR_LRM_2_20210524T084509_20210524T084536_D001 CS_OFFL_SIR_LRM_2_20210524T084641_20210524T084819_D001 CS_OFFL_SIR_LRM_2_20210524T084661_20210524T090157_D001 CS_OFFL_SIR_LRM_2_20210524T085620_20210524T090157_D001 CS_OFFL_SIR_LRM_2_20210524T0805620_20210524T0901447_D001	(Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2)	Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records

CS_OFFL_SIR_LRM_220210524T102009_20210524T102659_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_220210524T102713_20210524T105130_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_220210524T111512_20210524T112615_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_220210524T112617_20210524T113659_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_220210524T120023_20210524T121607_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_220210524T122451_20210524T123328_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_220210524T124938_20210524T130354_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_220210524T130535_20210524T130938_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_220210524T133936_20210524T134102_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210524T134225_20210524T134934_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_220210524T135057_20210524T141435_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_220210524T142856_20210524T145235_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_220210524T150350_20210524T150447_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_220210524T152925_20210524T155325_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_220210524T160820_20210524T163257_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_220210524T170122_20210524T170410_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_220210524T170420_20210524T173240_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_220210524T174635_20210524T180558_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_220210524T180600_20210524T181253_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_220210524T181433_20210524T181541_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_220210524T181916_20210524T182038_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_220210524T182403_20210524T182453_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_220210524T183733_20210524T191120_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_220210524T193011_20210524T193353_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_220210524T194011_20210524T194155_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_220210524T200044_20210524T200414_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_220210524T201736_20210524T202617_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_220210524T202903_20210524T205029_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_220210524T210553_20210524T211737_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_220210524T211925_20210524T212643_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_220210524T212738_20210524T213144_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_220210524T213930_20210524T214023_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_220210524T215416_20210524T215422_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210524T220325_20210524T222945_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_220210524T224816_20210524T230046_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_220210524T230116_20210524T231823_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_220210524T233252_20210524T233314_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210524T234157_20210524T235138_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_220210524T235341_20210525T000841_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_SIN_220210524T145236_20210524T145242_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	162	162	162	0	0
SIR_SAR_1B	121	121	121	0	0
SIR_SIN_1B	107	107	107	0	0
SIR_LRM_2	162	162	157	5	0
SIR_SAR_2	107	121	121	0	0
SIR_SIN_2	121	107	105	2	0
SIR GDR 2	14	14	0	0	14

6.1 QCC Errors

Number of products with QCC errors:

14

MPHDUTNCDF MPHXPFNCDF MPHXVFNCDF MPHYPFNCDF MPHYVFNCDF MPHZPFNCDF MPHZVFNCDF

r roduct Type										
SIR_GDR_2_	14	14	14	14	14	14	14	-		
Test Description Key:										
Abbreviation	Test na	ıme		Details						
					_					

root Boodinption Roy.	St Description Rey.					
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)				

6.2 QCC Warnings

Number of QCC reports with warnings

8

Total number of occurrences of each warning

	Total number of occurrences of each marming						
Product Type	AXDME	AXSMMEOCI	AXSMEOOO	AXWMMEOOO	-	-	-
SIR_LRM_2_	0	4	1	1			
SIR_SIN_2_	2	0	0	0			

Test Description Key:						
Abbreviation	Test name	Details				
AXDME	AttributeXrefDemMustExist	The xref_dem attribute is mandatory in SIN products over continental ice				
AXSMMEOCI	AttributeXrefSlopeModelMustExistOverContinentalIce	The xref_slope_model is mandatory in LRM products over continental ice				
AXSMEOOO	AttributeXrefSsbMustExistOverOpenOcean	The xref_ssb is mandatory in LRM products over open ocean				
AXWMMEOOO	AttributeXrefWindModelMustExistOverOpenOcean	The xref_wind_model attribute is mandatory in LRM products over open ocean				

6.2 Missing QCC Reports

Number of products with missing QCC reports:

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