

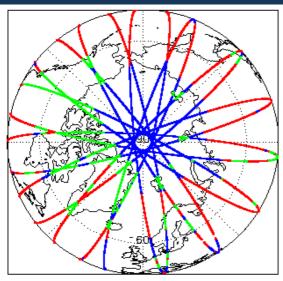
1. Overview

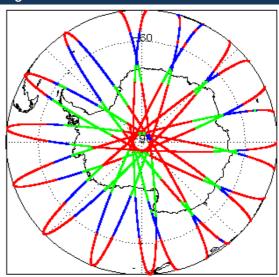
Report Production Date:	02-Sep-2020				
Processor Used:	CryoSat Ice Processor				
Data Used:	L1B and L2 OFFLINE Data				

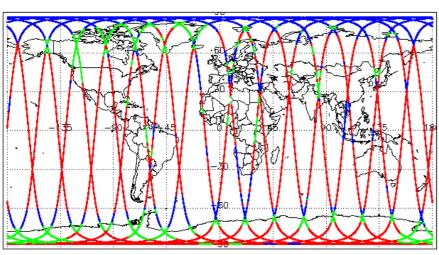
Check	Status			
Server check: science-pds.cryosat.esa.int	Nominal			
Server check: calval-pds.cryosat.esa.int	Nominal			
Product Software Check	Nominal			
Product Format Check	Nominal			
Product Header Analysis	Nominal			
Star Tracker Usage Check	Nominal			
L1B Tracking Flag Check	See Section 4.4			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

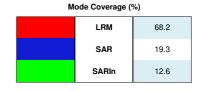
Mission / Instru	Mission / Instrument News						
01-Aug-2020	None						
02-Aug-2020	None						
03-Aug-2020	Nothing planned						

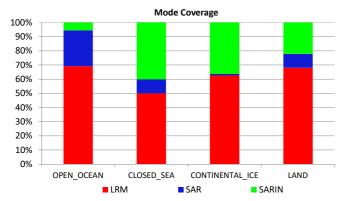
2. Global Coverage

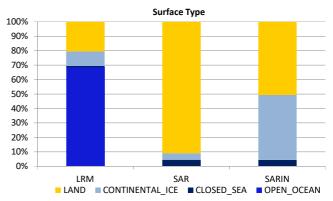












3. Instrument Configuration

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:

Λ

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:

0

4.4 L1B Tracking Flags Check

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

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

lumber of products with errors:

94

Loss of exho OFFI, SIR LINK 18 200008027003812 20000802700391 2001 CS OFFI, SIR LINK 18 20000802700392 20000802700391 2001 Loss of exho The tracking exho is missing for one or more records CS OFFI, SIR LINK 18 20000802700392 20000802700391 200000 Loss of exho The tracking exho is missing for one or more records CS OFFI, SIR LINK 18 20000802700392 20000802700392 20000802700391 20000 CS OFFI, SIR LINK 18 20000802700392 20000802700	Product	Test Failed	Description
GS_OFF_LSR_LINL_18_20000802T000342_20000802T000350_D001 Loss of scho The tracking ocho is missing for one or more records GS_OFF_LSR_LINL_18_20000802T00350_2000802T000350_D001 Loss of scho The tracking ocho is missing for one or more records GS_OFF_LSR_LINL_18_20000802T00312_2000002T00312_D001 Loss of scho The tracking ocho is missing for one or more records GS_OFF_LSR_LINL_18_20000802T00312_2000002T00312_D001 Loss of scho The tracking ocho is missing for one or more records GS_OFF_LSR_LINL_18_20000802T00312_2000002T00312_D001 Loss of scho The tracking ocho is missing for one or more records GS_OFF_LSR_LINL_18_20000802T00312_2000002T00310_D001 Loss of scho The tracking ocho is missing for one or more records GS_OFF_LSR_LINL_18_20000802T00311_2000802T00310_D001 Loss of scho The tracking ocho is missing for one or more records GS_OFF_LSR_LINL_18_20000802T00311_2000802T00310_D001 Loss of scho The tracking ocho is missing for one or more records GS_OFF_LSR_LINL_18_20000802T00311_2000802T00310_D001 Loss of scho The tracking ocho is missing for one or more records GS_OFF_LSR_LINL_18_20000802T00311_2000802T00310_D001 Loss of scho The tracking ocho is missing for one or more records GS_OFF_LSR_LINL_18_20000802T00311_2000802T00310_D001 Loss of scho The tracking ocho is missing for one or more records GS_OFF_LSR_LINL_18_20000802T003212_2000802T00310_D001 Loss of scho The tracking ocho is missing for one or more records GS_OFF_LSR_LINL_18_20000802T003225_2000802T00310_D001 Loss of scho The tracking ocho is missing for one or more records GS_OFF_LSR_LINL_18_20000802T003250_2000802T003030_D001 Loss of scho The tracking ocho is missing for one or more records GS_OFF_LSR_LINL_18_20000802T003250_2000802T003030_D001 Loss of scho The tracking ocho is missing for one or more records GS_OFF_LSR_LINL_18_20000802T003030_2000802T003030_D001 Loss of scho The tracking ocho is missing for one or more records GS_OFF_LSR_LINL_18_20000802T003030_2000802T003030_D001 Loss of scho The tracking ocho is missing for one or more r	CS_OFFL_SIR_LRM_1B_20200802T003613_20200802T004454_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL_SIR_LRM_IB_20000002700359_20000002700350_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200000027002412_D0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200000027002412_D000027002412_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200000027002412_D0000027002412_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200000027002412_D0000027002412_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200000027002412_D0000027003101_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200000027103171_D00002027031101_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_2000000271031271_D000002710311_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_2000000271031271_D0000027103110_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200000027103055_D0000027103151_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200000027103055_D0000027103151_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_2000000271035894_200000027103580_D000027103580_D000027103580_D0000027103580_D0000027103580_D0000027103580_D000000027103580_D00000027103580_D0000027103580_D0000027103580_D000000027103580_D00000027103580_D00000027103580_D00000027103580_D0000000027103580_D00000027103580_D00000027103580_D00000027103580_D000000027103580_D00000027103580_D000000027103580_D000000027103580_D0000000027103580_D00000000000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20200802T015249_20200802T020340_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SRI_RM_18_20008020701810_2000802702182_00001 CS_OFFL_SRI_RM_18_20008020702182_20008027022183	CS_OFFL_SIR_LRM_1B_20200802T020342_20200802T020347_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SIR_LRM_IB_20000002T02128_0000000000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20200802T020350_20200802T020350_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20000002T027425_202000002T025412_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20000002T02545_202000002T02549_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20000002T0205412_20200002T02549_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20000002T030214_20200002T031319_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20000002T03171_20200002T03411_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20000002T03171_20200002T03411_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200000002T034926_202000002T034911_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20000002T034926_20200002T034910_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20000002T034926_20200002T034910_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20000002T034938_20200002T034930_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20000002T034938_20200002T034930_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200000002T034938_202000002T034930_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200000002T034938_202000002T034930_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200000002T03498_202000000002T03498_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200000000000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20200802T020354_20200802T021424_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL_SIR_LRM_18_20000027023745_20200002705542_2000002705542_2000002705542_2000002705542_2000002705542_2000002705542_2000002705642_2000002705642_2000002705642_2000002705642_2000002705641_2000002705641_2000027056	CS_OFFL_SIR_LRM_1B_20200802T021810_20200802T022120_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20200802T035242_20200802T035412_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T033712_20200802T034141_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T034727_20200802T03411_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T034525_20200802T034411_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T035005_20200802T034511_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T035005_20200802T03575_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T035804_20200802T045807_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T035804_20200802T04695_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T045808_20200802T040455_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T04255_20200802T040556_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T04255_20200802T04255_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T04255_20200802T04255_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T04255_20200802T04255_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T045856_20200802T040543_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T053585_20200802T05347_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T053585_20200802T05347_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T053585_20200802T053423_D001 Loss of exho The	CS_OFFL_SIR_LRM_1B_20200802T022122_20200802T022412_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LFM_IB_20200802T030214_20200802T031941 D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LFM_IB_20200802T031711_20200802T031941 D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LFM_IB_20200802T032506_20200802T034518_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LFM_IB_20200802T03506_20200802T035551_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LFM_IB_20200802T03508_20200802T035551_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LFM_IB_20200802T03508_20200802T035590_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LFM_IB_20200802T035582_20200802T035590_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LFM_IB_20200802T035582_20200802T04545_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LFM_IB_20200802T0450358_20200802T04555_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LFM_IB_20200802T045182_D0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LFM_IB_20200802T045182_D0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LFM_IB_20200802T045182_D0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LFM_IB_20200802T0450668_20200802T04518_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LFM_IB_20200802T0450668_20200802T045047_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LFM_IB_20200802T055647_20200802T055437_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LFM_IB_20200802T055647_20200802T055543_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LFM_IB_20200802T055647_20200802T055543_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LFM_IB_2	CS_OFFL_SIR_LRM_1B_20200802T023745_20200802T025319_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20200802T03371_20200802T03416_D001 CS_OFFL_SIR_LRM_18_20200802T03272_20200802T03481_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T035755_20200802T035751_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T035755_20200802T035751_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T035805_20200802T035801_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T035804_20200802T035801_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T035808_20200802T04435_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T04395_20001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T04395_20001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T04395_2000002T04285_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T042285_2000002T04285_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T042286_2000802T04286_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T05368_20200802T05347_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T053583_20200802T053817_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T053583_20200802T053531_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T053537_2020802T053531_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T053537_2020802T053533_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200802T063732_20	CS_OFFL_SIR_LRM_1B_20200802T025542_20200802T025842_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20200802T034258_0200802T0348116_D001	CS_OFFL_SIR_LRM_1B_20200802T030214_20200802T031031_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20000820703456_20008027035751_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200008027035804_20008027035801_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200008027035804_20008027035807_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200008027035804_2000802704038_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200008027041948_20001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200008027041948_2000802704182_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200008027041948_2000802704255_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200008027041948_200080802704255_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20000802704255_00080802704255_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20000802705688_20008080705497_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20008027053589_20008080705342_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200008027053599_200080807053931_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200008027053599_200080807053931_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200008027053599_2000808070539331_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_2000080270555947_D0010 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200008027055594_D0010 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200008027055594_D00080270539391_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_200008027050	CS_OFFL_SIR_LRM_1B_20200802T031711_20200802T031941_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20200802T05574_2020802T059574_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T05584_2020808T059580_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T055838_20200802T044958_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T041938_20200802T044958_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T041946_20200802T042251_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T041946_20200802T042251_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T042255_20200802T042256_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T042256_20200802T045118_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T05658_20200802T054518_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T05658_20200802T054517_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T05658_20200802T055342_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T05658_20200802T055333_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T05656_20200802T055333_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T05656_20200802T056533_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T05656_20200802T065032_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T05656_20200802T065032_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T06568_202008002T065932_D001 Loss of echo The tracking echo is missing for one	CS_OFFL_SIR_LRM_1B_20200802T032721_20200802T034116_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20200802T035752_20200802T035801_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T035804_20200802T045485_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T041703_20200802T044825_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T041946_20200802T04255_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T041946_20200802T04255_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T04255_20200802T042656_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T04255_20200802T042654_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T053328_20200802T052447_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T053328_20200802T05342_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T053328_20200802T05341_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T053592_20200802T053933_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T055559_20200802T053933_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T055569_20200802T055393_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T0556562_20200802T055332_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T060531_20200802T060732_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T060532_D0200802T063382_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T0650502_D0200802T063382_D001 Loss of echo The tracking echo is missing	CS_OFFL_SIR_LRM_1B_20200802T034256_20200802T034811_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20200802T055804_20200802T040435_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T041703_20200802T040435_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T041746_20200802T041245_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T041246_20200802T042255_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T042255_2020802T042565_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T042818_20200802T0541818_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T050658_20200802T05342_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T053328_20200802T05342_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T053328_20200802T05343_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T053619_20200802T053533_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T055656_20200802T055343_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T065566_20200802T065529_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T065566_20200802T060529_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T065662_20200802T060727_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T066282_20200802T07337_00001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T071302_20200802T07337_00001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T084027_0200802T084057_0001 Loss of echo The tracking echo is missing	CS_OFFL_SIR_LRM_1B_20200802T035005_20200802T035751_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T055838_20200802T04193_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T04193_20200802T041823_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T041846_20200802T04556_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T042555_20200802T04518_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T042818_20200802T05547_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T0505583_20200802T05543_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T053328_20200802T055343_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T055559_20200802T055333_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T055559_20200802T05534_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T055437_20200802T05534_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T055656_20200802T065354_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T065565_20200802T069539_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T060531_20200802T069302_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T065682_20200802T069339_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T06428_20200802T073337_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T06428_20200802T073339_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T083930_20200802T083939_D001 Loss of echo The tracking echo	CS_OFFL_SIR_LRM_1B_20200802T035754_20200802T035801_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T041703_20200802T041823_D001 CS_OFFL_SIR_LRM_1B_20200802T041946_20200802T04255_D001 CS_OFFL_SIR_LRM_1B_20200802T041946_20200802T04255_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T042818_20200802T04255_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T053655_20200802T05494T_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T053328_20200802T053423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T053328_20200802T053423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T053659_20200802T053617_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T053619_20200802T053933_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T055637_20200802T0559393_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T055656_20200802T065652_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T065656_20200802T066529_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T069531_20200802T069529_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T069530_20200802T063036_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T064620_20200802T063036_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T064502_20200802T074300_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T083930_20200802T083931B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T084931_D0010 Loss of echo Th	CS_OFFL_SIR_LRM_1B_20200802T035804_20200802T035807_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_2020002T042255_20200802T042255_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T042255_20200802T04518_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T045182_0200802T052947_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T053328_20200802T053423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T053328_20200802T053423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T053328_20200802T053333_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T053339_20200802T053333_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T055347_20200802T055334_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T055534_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T055534_D000200002T060529_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T060531_20200802T060306_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T06303_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T071302_20200802T0337_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T071302_20200802T083918_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T084057_20200802T083923_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T084057_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T084057_D00002T084931_D001 Loss of echo The tracking echo is missing	CS_OFFL_SIR_LRM_1B_20200802T035838_20200802T040435_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20200802T042255_20200802T042518_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T059658_20200802T052947_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T053528_20200802T053423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T053559_20200802T053423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T053559_20200802T05347_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T053619_20200802T053933_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T05566_20200802T05534_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T05566_20200802T060529_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T06566_20200802T060727_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T060730_20200802T063036_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T064628_20200802T07337_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T064028_20200802T07337_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T083920_20200802T083930_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T083920_20200802T083930_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T083920_20200802T084024_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T084027_20200802T084031_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T084027_20200802T084031_D0	CS_OFFL_SIR_LRM_1B_20200802T041703_20200802T041823_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20200802T04518_20200802T055947_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T05328_20200802T053423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T053359_20200802T053423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T053619_20200802T053933_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T055547_20200802T055534_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T055656_20200802T060529_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T0605565_20200802T060529_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T060531_20200802T060727_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T060730_20200802T060730_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T064628_20200802T071300_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T064628_20200802T072337_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T084302_0200802T073391B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T084392_20200802T084937_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T084393_200002T084057_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T084397_20200802T084931_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T084397_20200802T084391_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200802T084397_20200802T08439	CS_OFFL_SIR_LRM_1B_20200802T041946_20200802T042251_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T05658_20200802T05328_20200802T053423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T053328_20200802T053617_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T05359_20200802T053933_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T055437_20200802T055534_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T0555437_20200802T055534_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T055566_20200802T060529_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T060531_20200802T060727_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T060730_20200802T060730_E0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T064628_20200802T071300_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T071302_20200802T07337_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T07337_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T083926_20200802T083933_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T084936_20200802T084931_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T084937_20200802T084931_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T084937_20200802T084931_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T084937_20200802T084931_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more reco	CS_OFFL_SIR_LRM_1B_20200802T042255_20200802T042656_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20200802T083920_20200802T083918_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T083920_20200802T083923_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T083926_20200802T084057_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T084102_20200802T084224_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T084226_20200802T084931_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T084937_20200802T085015_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T085154_20200802T085304_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T085442_20200802T085605_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_20200802T085638_20200802T085605_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_20200802T085638_20200802T085802_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200802T064628_20200802T071300_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20200802T084102_20200802T084224_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T084937_20200802T085015_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T085154_20200802T085304_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T085442_20200802T085605_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_20200802T085638_20200802T085802_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200802T083920_20200802T083923_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T084226_20200802T084931_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T084937_20200802T085015_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T085154_20200802T085304_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T085442_20200802T085605_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T085638_20200802T085802_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_20200802T083926_20200802T084057_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T084937_20200802T085015_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T085154_20200802T085304_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T085442_20200802T085605_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T085638_20200802T085802_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_20200802T084102_20200802T084224_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T085154_20200802T085304_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T0856442_20200802T085605_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T085638_20200802T085802_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_20200802T084226_20200802T084931_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T085442_20200802T085605_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200802T085638_20200802T085802_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200802T084937_20200802T085015_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T085638_20200802T085802_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200802T085154_20200802T085304_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20200802T085442_20200802T085605_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T091452_20200802T094818_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200802T085638_20200802T085802_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20200802T091452_20200802T094818_D001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20200802T101735_20200802T101917_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200802T101934 20200802T102641 D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200802T102824 20200802T103107 D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200802T103354 20200802T103459 D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200802T105126 20200802T110338 D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200802T110624 20200802T112734 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T115647_20200802T120404_D001	Loss of echo	The tracking echo is missing for one or more records
	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T120501_20200802T120906_D001		ů ů
CS_OFFL_SIR_LRM_1B_20200802T123124_20200802T123926_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T124046_20200802T130640_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T131454_20200802T131728_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T132538_20200802T133808_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T140952_20200802T141415_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T141417_20200802T141602_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T141719_20200802T142859_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T143102_20200802T144550_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T151101_20200802T151311_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T151313_20200802T151336_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T151339_20200802T151455_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T151935_20200802T153444_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T154839_20200802T155900_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T155902_20200802T160212_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T163327_20200802T163436_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T164040_20200802T171343_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T171511_20200802T171611_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T172713_20200802T173357_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T173406_20200802T173455_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T174020_20200802T174044_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T174051_20200802T180142_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T181916_20200802T184548_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T184551_20200802T184552_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T184556_20200802T184658_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T184702_20200802T184724_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T184730_20200802T184733_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T190819_20200802T190836_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T190839_20200802T191351_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T191457_20200802T191638_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T191640_20200802T194323_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T195125_20200802T195453_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T204452_20200802T205136_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200802T205210 20200802T205247 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T205444_20200802T205546_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T205549_20200802T205551_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200802T205731 20200802T205908 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T210014_20200802T210315_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200802T210845 20200802T211506 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T213905_20200802T221431_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T222729_20200802T222746_D001	Loss of echo	The tracking echo is missing for one or more records
	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200802T223104_20200802T223145_D001 CS_OFFL_SIR_LRM_1B_20200802T223155_20200802T223206_D001		
00_011	Loss of echo	The tracking echo is missing for one or more records

4.5 L1B Calibration Usage Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_SIN_1B_20200802T190537_20200802T190544_D001	Cal1 correction 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:

0

4.7 L1B Auxiliary Correction Error Check

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_20200802T035838_20200802T040435_D001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20200802T055656_20200802T060529_D001	IECHO ERROR I EK 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:

0

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220200802T000834_20200802T003433_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_220200802T003613_20200802T004454_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_220200802T005733_20200802T010423_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_220200802T010437_20200802T012853_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_220200802T015249_20200802T020340_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_220200802T020354_20200802T021424_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_220200802T023745_20200802T025319_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_220200802T030214_20200802T031031_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_220200802T032721_20200802T034116_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_220200802T034256_20200802T034811_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

CS OFFL SIR LRM 2 20200802T041703 20200802T041823 D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
00_011E_0HI_ELHH_E_E0200021041700_E0200021041020_E001		· ·
CS_OFFL_SIR_LRM_220200802T041946_20200802T042251_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_220200802T042255_20200802T042656_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_220200802T042818_20200802T045118_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_220200802T050658_20200802T052947_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_220200802T054110_20200802T054209_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_220200802T060730_20200802T063036_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_220200802T064628_20200802T071300_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_220200802T071302_20200802T072337_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_220200802T073848_20200802T074131_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_220200802T074234_20200802T080852_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_220200802T082507_20200802T083918_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_220200802T084226_20200802T084931_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_220200802T084937_20200802T085015_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200802T090124_20200802T090250_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_220200802T091452_20200802T094818_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_220200802T100450_20200802T100533_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_220200802T101735_20200802T101917_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_220200802T105126_20200802T110338_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_220200802T110624_20200802T112734_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_220200802T114453_20200802T115459_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_220200802T115647_20200802T120404_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_220200802T120501_20200802T120906_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_220200802T123124_20200802T123926_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_220200802T124046_20200802T130640_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_220200802T132538_20200802T133808_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_220200802T133832_20200802T135554_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_220200802T140952_20200802T141415_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

	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_220200802T143102_20200802T144550_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), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200802T151935_20200802T153444_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
	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_220200802T174051_20200802T180142_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200802T184556_20200802T184658_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200802T195918_20200802T203253_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 (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
	Height Error (Retracker 2), Backscatter Error (Retracker 2), 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
	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_220200802T213905_20200802T221431_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
	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_220200802T224413_20200802T230029_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_220200802T231744_20200802T235320_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_SIN_2_20200802T190537_20200802T190544_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.

Due do et true	No. Products	No. OCC Paranta	No. Valid	No Warnings	No Francis
Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_LRM_1B	152	152	152	0	0
SIR_SAR_1B	108	108	108	0	0
SIR_SIN_1B	111	111	111	0	0
SIR_LRM_2	152	152	148	4	0
SIR_SAR_2	111	108	108	0	0
SIR_SIN_2	108	111	109	2	0
SIR GDR 2	15	15	0	0	15

6.1 QCC Errors

Number of products with QCC errors:

15

Prod	duct Type	MPHDUTNCDF	MPHXPFNCDF	MPHXVFNCDF	MPHYPFNCDF	MPHYVFNCDF	MPHZPFNCDF	MPHZVFNCDF	-	-	•	•
SIR	_GDR_2_	15	15	15	15	15	15	15				

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

Number of QCC reports with warnings

Total number of occurrences of each warning

Product Type	AXDME	AXSMMEOCI	-	-	-	-	-
SIR_LRM_2_	0	4					
SIR_SIN_2_	2	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					

6.2 Missing QCC Reports

Number of products with missing QCC reports:

0