

13/08/2021



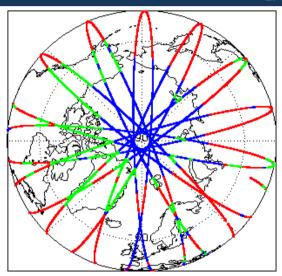
1. Overview

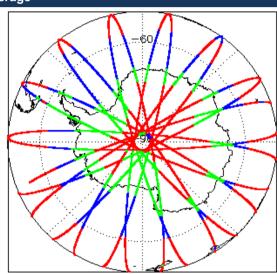
Report Production Date:	15-Sep-2021			
Processor Used:	CryoSat Ice Processor			
Data Used:	L1B and L2 OFFLINE Data			

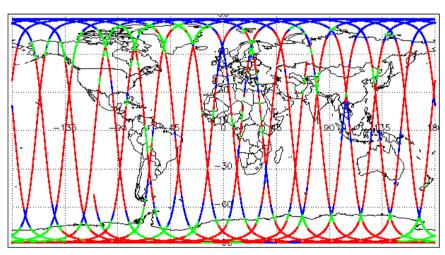
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

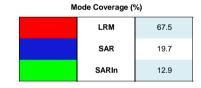
Mission / Instru	lission / Instrument News					
12-Aug-2021	None					
13-Aug-2021	None					
14-Aug-2021	Nothing planned					

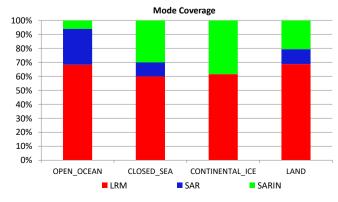
2. Global Coverage

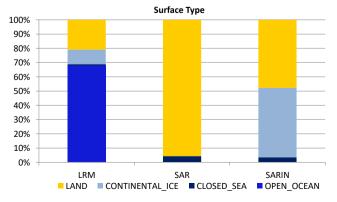












3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

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

Number of products with errors:

0

4.3 Star Tracker Usage Check

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

Number of products with errors:

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.

Number of products with errors:

97

CS_OFFL_SR_LRM_18_202108151000617_202108151003007_D001 Loss of exho The tracking exh on insining for one or more records CS_OFFL_SR_LRM_18_202108151000617_202108151003007_D001 Loss of exho The tracking exh on insining for one or more records CS_OFFL_SR_LRM_18_202108151000617_202108151003007_D001 Loss of exho The tracking exh on insining for one or more records CS_OFFL_SR_LRM_18_202108151010617_20210813100420_D001 Loss of exho The tracking exh on insining for one or more records CS_OFFL_SR_LRM_18_20210815101448_202108151014429_D001 Loss of exho The tracking exh on insining for one or more records CS_OFFL_SR_LRM_18_20210815101448_202108151014429_D001 Loss of exho The tracking exh on insining for one or more records CS_OFFL_SR_LRM_18_20210815101448_202108151012429_D001 Loss of exho The tracking exh on insining for one or more records CS_OFFL_SR_LRM_18_202108151014302_202108151021629_D001 Loss of exho The tracking exh on insining for one or more records CS_OFFL_SR_LRM_18_202108151014302_2021081510216212_D001 Loss of exho The tracking exh on insining for one or more records CS_OFFL_SR_LRM_18_2021081510137032_202108151021632_D001 Loss of exho The tracking exh on insining for one or more records CS_OFFL_SR_LRM_18_2021081510137032_202108137020148_D001 Loss of exho The tracking exh on insining for one or more records CS_OFFL_SR_LRM_18_202108151031703212_20210813703048_D001 Loss of exho The tracking exh on insining for one or more records CS_OFFL_SR_LRM_18_202108157031733_202108137030548_D001 Loss of exho The tracking exh on insining for one or more records CS_OFFL_SR_LRM_18_202108157030312_202108137030344_D001 Loss of exho The tracking exh on insining for one or more records CS_OFFL_SR_LRM_18_202108157030314_202108137030344_D001 Loss of exho The tracking exh on insining for one or more records CS_OFFL_SR_LRM_18_202108157030314_202108137030344_D001 Loss of exho The tracking exh on insining for one or more records CS_OFFL_SR_LRM_18_202108157030314_202108137030344_D001 Loss of exho The tracking exh on insin	Product	Test Failed	Description
CS_OFFL_SIR_LRM_18_202108131003054_202108131003007_D001 Loss of exhall The tracking exhall is initiating for one or more records CS_OFFL_SIR_LRM_18_20210813103038_202108131014147_D001 Loss of exhall The tracking exhall is initiating for one or more records CS_OFFL_SIR_LRM_18_20210813103038_202108131014147_D001 Loss of exhall The tracking exhall is initiating for one or more records CS_OFFL_SIR_LRM_18_20210813103038_202108131014147_D001 Loss of exhall The tracking exhall is initiating for one or more records CS_OFFL_SIR_LRM_18_2021081310412_20210813104129_D001 Loss of exhall The tracking exhall is initiating for one or more records CS_OFFL_SIR_LRM_18_2021081310412_20210813102192_D001 Loss of exhall The tracking exhall is initiating for one or more records CS_OFFL_SIR_LRM_18_20210813102192_20210813102192_D001 Loss of exhall The tracking exhall is initiating for one or more records CS_OFFL_SIR_LRM_18_20210813102192_20210813102192_D001 Loss of exhall The tracking exhall is initiating for one or more records CS_OFFL_SIR_LRM_18_20210813102192_202108131022192_D001 Loss of exhall The tracking exhall is initiating for one or more records CS_OFFL_SIR_LRM_18_202108131031031292_20210813103291_D001 Loss of exhall The tracking exhall is initiating for one or more records CS_OFFL_SIR_LRM_18_202108131033021_202108131033091_D001 Loss of exhall The tracking exhall is initiating for one or more records CS_OFFL_SIR_LRM_18_202108131033021_202108131033091_D001 Loss of exhall The tracking exhall is initiating for one or more records CS_OFFL_SIR_LRM_18_202108131033021_202108131033091_D001 Loss of exhall The tracking exhall is initiating for one or more records CS_OFFL_SIR_LRM_18_202108131033092_202108131033091_D001 Loss of exhall The tracking exhall is initiating for one or more records CS_OFFL_SIR_LRM_18_202108131033092_202108131033091_D001 Loss of exhall The tracking exhall is initiating for one or more records CS_OFFL_SIR_LRM_18_20210813103091_202208131033091_D001 Loss of exhall The tracking exhall is initiating for one or more rec	CS_OFFL_SIR_LRM_1B_20210812T235741_20210813T000233_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_L SR_LRM_1B_20210813701599_20210813701490_D001 CS_OFF_L SR_LRM_1B_20210813701599_20210813701470.001 CS_OFF_L SR_LRM_1B_202108137014199_202108137014209_D001 CS_OFF_L SR_LRM_1B_202108137014199_202108137014209_D001 CS_OFF_L SR_LRM_1B_202108137014199_202108137014209_D001 CS_OFF_L SR_LRM_1B_202108137014199_202108137014209_D001 CS_OFF_L SR_LRM_1B_20210813701421_20210813701429_D001 CS_OFF_L SR_LRM_1B_20210813701429_20210813701429_D001 CS_OFF_L SR_LRM_1B_20210813701429_20210813701429_D001 CS_OFF_L SR_LRM_1B_20210813701429_20210813702149_D001 CS_OFF_L SR_LRM_1B_20210813701429_20210813702149_D001 CS_OFF_L SR_LRM_1B_20210813701429_20210813702149_D001 CS_OFF_L SR_LRM_1B_20210813703144_20210813703148_D001 CS_OFF_L SR_LRM_1B_20210813703149_D001 CS_OFF_L SR_LRM_1B_20210813703149_D001 CS_OFF_L SR_LRM_1B_20210813703429_20210813703219_D001 CS_OFF_L SR_LRM_1B_20210813703429_20210813703219_D001 CS_OFF_L SR_LRM_1B_20210813703329_20210813703219_D001 CS_OFF_L SR_LRM_1B_20210813703329_20210813703319_D001 CS_OFF_L SR_LRM_1B_20210813703349_20210813703319_D001 CS_OFF_L SR_LRM_1B_20210813703314_20210813703314_D001 CS_OFF_L SR_LRM_1B_20210813703314_20210813703314_D001 CS_OFF_L SR_LRM_1B_20210813703314_20210813703314_D001 CS_OFF_L SR_LRM_1B_20210813703314_20210813703314_D001 CS_OFF_L SR_LRM_1B_20210813703314_20210813703334_D001 CS_OFF_L SR_LRM_1B_20210813703314_20210813703334_D001 CS_OFF_L SR_LRM_1B_20210813703314_20210813703334_D001 CS_OFF_L SR_LRM_1B_20210813703314_20210813703334_D001 CS_OFF_L SR_LRM_1B_20210813703314_20210813703334_D001 CS_OFF_L SR_LRM_1B_20210813703314_20210813703344_D001 CS_OFF_L SR_LRM_1B_20210813703344_20210813703344_D001 CS_OFF_L SR_LRM_1B_20210813703344_20210813703344_D001 CS_OFF_L SR_LRM_1B_20210813703344_20210813703344_D001 CS_OFF_L SR_LRM_1B_20210813703344_20210813703344_D001 CS_OFF_L SR_LRM_1B_20210813703344_20210813703344_D001 CS_OFF_L SR_LRM_1B_20210813703344_20210813703490_D001 CS_OFF_L SR_LRM_1B_20210813705344_D001837054350_D001 CS_OFF_L SR_LRM_1B_20210813705340_D	CS_OFFL_SIR_LRM_1B_20210813T000350_20210813T000407_D001	Loss of echo	The tracking echo is missing for one or more records
GS_OFFL_SR_LRM_18_202108137013592_02010813701364_D001 CS_OFFL_SR_LRM_18_202108137013592_02010813701429_D001 CS_OFFL_SR_LRM_18_20210813701421_20210813701429_D001 CS_OFFL_SR_LRM_18_20210813701421_20210813701429_D001 CS_OFFL_SR_LRM_18_20210813701421_20210813701429_D001 CS_OFFL_SR_LRM_18_20210813701421_20210813701429_D001 CS_OFFL_SR_LRM_18_20210813701421_202108137021922_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20210813702192_202108137021922_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20210813702192_20210813702192_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20210813702192_20210813702192_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20210813702192_20210813702192_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20210813702132_202102813702192_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20210813702132_202102813702210_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20210813702321_20210813702210_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20210813700321_20210813703219_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20210813700321_202108137003219_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20210813700321_20210813703312_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20210813700321_20210813703312_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20210813700321_20210813703281_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20210813700321_202108137003281_D001 Loss of exho The tracking exho is missing for one or more records CS_OFF	CS_OFFL_SIR_LRM_1B_20210813T000617_20210813T003007_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LEM_1B_20210813T013938_20210813T0249D_0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_1B_20210813T01490_20210813T00249D_0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_1B_20210813T01490_20210813T0019D_0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_1B_20210813T01490_20210813T0019D_0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_1B_20210813T001332_2010813T0019D_0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_1B_20210813T001372_2012(0813T00249L_D0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_1B_20210813T001341_20126813T003144_D0010 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_1B_20210813T0001341_20126813T003144_D0010 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_1B_20210813T000206_20210813T0032100_D0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_1B_20210813T000206_20210813T0032100_D0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_1B_20210813T000006_20210813T0032100_D0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_1B_20210813T000006_20210813T0033100_D0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_1B_20210813T0000006_20210813T0030340_D0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_1B_20210813T0000000_20210813T0030340_D0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_1B_20210813T0000000_20210813T0000000_20210813T0000000000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20210813T003854_20210813T004220_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20210813T01448_20210813T01420B_D001	CS_OFFL_SIR_LRM_1B_20210813T013159_20210813T013904_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SRL_EM_IB_20210813T014211_20210813T0014290_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SRL_EM_IB_20210813T001432_20210813T002109_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SRL_EM_IB_20210813T001322_20210813T002142_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SRL_EM_IB_20210813T002132_20210813T002142_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SRL_EM_IB_20210813T002142_20210813T003418_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SRL_EM_IB_20210813T002021_20210813T003054_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SRL_EM_IB_20210813T002021_20210813T003054_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SRL_EM_IB_20210813T002029_20210813T003054_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SRL_EM_IB_20210813T003069_20210813T003210_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SRL_EM_IB_20210813T003099_20210813T003312.D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SRL_EM_IB_20210813T003099_20210813T003314_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SRL_EM_IB_20210813T0030314_20210813T003040_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SRL_EM_IB_20210813T0030314_20210813T003040_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SRL_EM_IB_20210813T0030314_20210813T0030340_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SRL_EM_IB_20210813T0030314_20210813T0030319_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SRL_EM_IB_20210813T0030314_20210813T0030319_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SRL_EM_IB_20210813T0030314_20210813T0030319_D001 Loss of echo The tracking ec	CS_OFFL_SIR_LRM_1B_20210813T013938_20210813T014147_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210813T014302_20210813T021922_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T021322_20210813T021922_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T023124_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T031344_20210813T023148_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T031344_20210813T032101_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T033242_20210813T032210_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T032056_20210813T032105_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T032242_20210813T032210_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T033242_20210813T032319_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T033341_20210813T033344_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T033341_20210813T033340_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T033341_20210813T0333080_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T03341_20210813T033080_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T050334_20210813T033080_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T050334_20210813T050319_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T050334_20210813T050319_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T05034_20210813T050319_D001 Loss of echo The tracking echo is miss	CS_OFFL_SIR_LRM_1B_20210813T014149_20210813T014209_D001	Loss of echo	The tracking echo is missing for one or more records
CS, OFFL, SIR, LRM. 18, 20210813T021332, 20210813T021542, D001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM. 18, 20210813T021272, 20210813T022124, D001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM. 18, 20210813T031733, 20210813T032010, D001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM. 18, 20210813T031733, 20210813T032010, D001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM. 18, 20210813T032021, 20210813T032054, D001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM. 18, 20210813T032022, 20210813T032054, D001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM. 18, 20210813T032022, 20210813T033312, D001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM. 18, 20210813T033202, 20210813T033314, D001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM. 18, 20210813T033314, D001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM. 18, 20210813T033314, D001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM. 18, 20210813T033314, D001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM. 18, 20210813T033314, D001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM. 18, 20210813T030314, D001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM. 18, 20210813T030314, D001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM. 18, 20210813T050014, 20210813T06143, D001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM. 18, 20210813T050340, 20210813T0635718, D001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM. 18, 20210813T063403, 20210813T063598, D001 Loss	CS_OFFL_SIR_LRM_1B_20210813T014211_20210813T014259_D001	Loss of echo	The tracking echo is missing for one or more records
CS, OFFL_SIR_LRM_18_20210813T022712_20210813T025248_D001 Loss of exho The tracking exho is missing for one or more records CS, OFFL_SIR_LRM_18_20210813T032713_20210813T025348_D001 Loss of exho The tracking exho is missing for one or more records CS, OFFL_SIR_LRM_18_20210813T033734_20210813T032549_D001 Loss of exho The tracking exho is missing for one or more records CS, OFFL_SIR_LRM_18_20210813T032058_20210813T032105_D001 Loss of exho The tracking exho is missing for one or more records CS, OFFL_SIR_LRM_18_20210813T032058_20210813T032519_D001 Loss of exho The tracking exho is missing for one or more records CS, OFFL_SIR_LRM_18_20210813T032059_20210813T032519_D001 Loss of exho The tracking exho is missing for one or more records CS, OFFL_SIR_LRM_18_20210813T033342_20210813T033312_D001 Loss of exho The tracking exho is missing for one or more records CS, OFFL_SIR_LRM_18_20210813T033314_20210813T0333808_D001 Loss of exho The tracking exho is missing for one or more records CS, OFFL_SIR_LRM_18_20210813T033314_20210813T0333808_D001 Loss of exho The tracking exho is missing for one or more records CS, OFFL_SIR_LRM_18_20210813T0303314_20210813T0333808_D001 Loss of exho The tracking exho is missing for one or more records CS, OFFL_SIR_LRM_18_20210813T0503014_20210813T050319_D001 Loss of exho The tracking exho is missing for one or more records CS, OFFL_SIR_LRM_18_20210813T050323_20210813T050379_D001 Loss of exho The tracking exho is missing for one or more records CS, OFFL_SIR_LRM_18_20210813T050342_20210813T050379_D001 Loss of exho The tracking exho is missing for one or more records CS, OFFL_SIR_LRM_18_20210813T050452_20210813T050579_D001 Loss of exho The tracking exho is missing for one or more records CS, OFFL_SIR_LRM_18_20210813T050445_20210813T050579_D001 Loss of exho The tracking exho is missing for one or more records CS, OFFL_SIR_LRM_18_20210813T050445_20210813T050579_D001 Loss of exho The tracking exho is missing for one or more records CS, OFFL_SIR_LRM_18_20210	CS_OFFL_SIR_LRM_1B_20210813T014302_20210813T020105_D001	Loss of echo	The tracking echo is missing for one or more records
CS, OFFL, SIR, LRM, 18, 202108137033142, 202108137033148, D001 CS, OFFL, SIR, LRM, 18, 2021081370313342, 202108137032010, D001 CS, OFFL, SIR, LRM, 18, 202108137032021, 202108137032010, D001 CS, OFFL, SIR, LRM, 18, 202108137032021, 202108137032044, D001 CS, OFFL, SIR, LRM, 18, 202108137032021, 202108137032044, D001 CS, OFFL, SIR, LRM, 18, 202108137032022, 202108137032045, D001 CS, OFFL, SIR, LRM, 18, 202108137032042, 202108137032054, D001 CS, OFFL, SIR, LRM, 18, 202108137032042, 202108137032312, D001 CS, OFFL, SIR, LRM, 18, 202108137032042, 202108137032312, D001 CS, OFFL, SIR, LRM, 18, 202108137032042, 202108137033314, D001 CS, OFFL, SIR, LRM, 18, 202108137033042, 202108137033344, D001 CS, OFFL, SIR, LRM, 18, 20210813703314, 202108137033044, D001 CS, OFFL, SIR, LRM, 18, 202108137032042, 202108137030304, D001 CS, OFFL, SIR, LRM, 18, 202108137032042, 202108137030304, D001 CS, OFFL, SIR, LRM, 18, 202108137032042, 202108137030319, D001 CS, OFFL, SIR, LRM, 18, 20210813706004, 202108137050319, D001 CS, OFFL, SIR, LRM, 18, 202108137060342, 2021081370505143, D001 CS, OFFL, SIR, LRM, 18, 202108137060342, 2021081370505143, D001 CS, OFFL, SIR, LRM, 18, 202108137060914, 2021081370505319, D001 CS, OFFL, SIR, LRM, 18, 202108137060914, 2021081370505319, D001 CS, OFFL, SIR, LRM, 18, 202108137060914, 202108137050579, D001 CS, OFFL, SIR, LRM, 18, 202108137060914, 202108137050579, D001 CS, OFFL, SIR, LRM, 18, 202108137069143, 202108137050579, D001 CS, OFFL, SIR, LRM, 18, 202108137069459, 2021081370505710, D001 CS, OFFL, SIR, LRM, 18, 202108137074639, 202108137076529, D001 CS, OFFL, SIR, LRM, 18, 202108137074639, 202108137076529, D001 CS, OFFL, SIR, LRM, 18, 202108137074639, 202108137076509, D001 CS, OFFL, SIR, LRM, 18, 202108137074639, 202108137076509, D001 CS, OFFL, SIR, LRM, 18, 202108137074639, 202108137080389, D001 CS, OFFL, SIR, LRM, 18, 202108137074639, 202108137080389, D001 CS, OFFL, SIR, LRM, 18, 202108137074639, 202108137080389, D001 CSS, OFFL, SIR, LRM, 18, 202108137074639, 202108137080389,	CS_OFFL_SIR_LRM_1B_20210813T021332_20210813T021922_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T031344_20210813T032014_BD001 CS_OFFL_SIR_LRM_1B_20210813T032021_20210813T032016_BD001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T032016_20210813T032016_BD001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T032016_20210813T032159_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T033212_20210813T032159_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T033312_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T033312_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T033314_20210813T0333608_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T033414_20210813T0333608_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050341_20210813T050334_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T05004_20210813T050143_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050032_20210813T050738_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050032_20210813T050738_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050342_20210813T0505738_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050345_20210813T0505738_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T07431_20210813T076508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T07431_20210813T076508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1	CS_OFFL_SIR_LRM_1B_20210813T021927_20210813T022124_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T032022_0210813T032010_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T032056_02010813T032105_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T032056_02010813T032105_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T033242_10210813T032312_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T033314_0201813T033312_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T033314_0201813T033334_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T033414_02018813T033340_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T033414_02018813T033404049_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050342_00101813T050432_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050342_001813T050432_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050342_001813T050319_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050342_001813T050319_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050342_001813T05051524_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050342_001813T053716_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T05435_001813T05459_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T07431_001813T074350_001813T054505_001813T054505_001813T05455_001813T05455_001813T05455_001813T05455_001813T05455_001813T05455_001813T05455_001813T05455_001813T05455_001813T05455_001813T05455_001813T05	CS_OFFL_SIR_LRM_1B_20210813T022712_20210813T025848_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20210813T032021_20210813T032105_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T033205_20210813T033215_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T033029_20210813T033312_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T033314_20210813T033314_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T033314_20210813T033340_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T033414_20210813T033808_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T05004_20210813T050143_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T050324_20210813T050143_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T050323_20210813T050319_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T050323_20210813T050733_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T050323_20210813T050738_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T05432_20210813T056059_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T05432_20210813T076058_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T07431_20210813T076058_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T075408_20210813T076080_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T075408_20210813T076080_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T075408_20210813T080328_D001 Loss of echo The tracking echo is missing	CS_OFFL_SIR_LRM_1B_20210813T031344_20210813T031418_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210813T032056_20210813T033215_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T033242_20210813T033314_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T033314_20210813T033314_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T033314_20210813T033344_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T042914_20210813T044049_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T050042_20120813T050314_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T050042_20120813T050314_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T050234_20210813T0503739_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T050914_20210813T0553749_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T050914_20210813T0553749_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T054452_20210813T0505914_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T074452_20210813T070508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T074545_20210813T076508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T074055_20210813T073582_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T074055_20210813T078058_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T074055_20210813T080328_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T083445_2021081	CS_OFFL_SIR_LRM_1B_20210813T031733_20210813T032010_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210813T033412_0210813T033312_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T033314_20210813T033314_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T033314_20210813T033314_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T033314_20210813T034044_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T050014_20210813T050319_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T050034_20210813T050319_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T050324_20210813T050379_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T050314_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T050914_20210813T05324_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T053450_20210813T05378_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T054453_20210813T050508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T074453_20210813T077658_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T074555_20210813T077658_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T07455_20210813T07505D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T074568_20210813T078505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T074568_20210813T078505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T074568_20210813T083356_D001 Loss of echo The tracking echo is missing for one or more	CS_OFFL_SIR_LRM_1B_20210813T032021_20210813T032054_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T033314_20210813T033314_20010 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T033314_20210813T033394_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T054014_20210813T054049_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050024_20210813T050143_D0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050024_20210813T050139_D0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050323_20210813T050319_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050323_20210813T050319_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050324_20210813T050319_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T0503450_20210813T053718_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T053450_20210813T053718_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T0763450_20210813T0760209_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T076322_20210813T076020_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T074055_20210813T07627_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T074055_20210813T0750717_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T076408_20210813T0780208_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083402_20210813T0803402_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083402_202	CS_OFFL_SIR_LRM_1B_20210813T032056_20210813T032105_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T033314_20210813T033344_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T034214_20210813T050143_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T05004_20210813T050143_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050342_0210813T050319_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050324_20210813T050319_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050324_20210813T050319_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050324_20210813T051524_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T0503450_20210813T051524_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T053450_20210813T0753718_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T054453_20210813T070508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T071431_20210813T071627_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T074352_20210813T076852_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T074055_02210813T07852_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T074055_02210813T08028_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T081306_20210813T080355_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T08345_20210813T083356_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T08345_20210813T08343_	CS_OFFL_SIR_LRM_1B_20210813T032421_20210813T032519_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20210813T03414_20210813T034049_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T05004_20210813T050143_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T050324_20210813T050319_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T050323_20210813T050739_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T050323_20210813T050739_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T050345_02010813T053718_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T05450_20210813T053718_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T05450_20210813T0507318_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T05450_20210813T0507318_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T07453_02210813T070508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T074051_20210813T074627_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T074055_20210813T073852_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T074055_20210813T080028_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T084028_D01817082935_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T08340_20210813T08343_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T083431_20210813T08343_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210813T083431_20210813T083439_D001	CS_OFFL_SIR_LRM_1B_20210813T033029_20210813T033312_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210813T042914_20210813T05004_20210813T050143_D001 CS_OFFL_SIR_LRM_18_20210813T050004_20210813T050319_D001 CS_OFFL_SIR_LRM_18_20210813T050234_20210813T050319_D001 CS_OFFL_SIR_LRM_18_20210813T050323_20210813T050739_D001 CS_OFFL_SIR_LRM_18_20210813T050323_20210813T050739_D001 CS_OFFL_SIR_LRM_18_20210813T050914_20210813T051524_D001 CS_OFFL_SIR_LRM_18_20210813T050914_20210813T053718_D001 CS_OFFL_SIR_LRM_18_20210813T053450_20210813T053718_D001 CS_OFFL_SIR_LRM_18_20210813T05453_20210813T053718_D001 CS_OFFL_SIR_LRM_18_20210813T056453_20210813T075058_D001 CS_OFFL_SIR_LRM_18_20210813T07431_20210813T077502_D001 CS_OFFL_SIR_LRM_18_20210813T074055_20210813T075010_D001 CS_OFFL_SIR_LRM_18_20210813T074055_20210813T075010_D001 CS_OFFL_SIR_LRM_18_20210813T074085_20210813T075002_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_18_20210813T07431_20210813T077502_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T074055_20210813T075010_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T075408_20210813T07502935_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T075408_20210813T080235_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T083240_20210813T083356_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T083431_20210813T083432_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210813T083432_2010813T083439_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_18_20210813T083431_02210813T083439_D001 Loss of echo The tracking echo is missing for one or more records The t	CS_OFFL_SIR_LRM_1B_20210813T033314_20210813T033344_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210813T050004_20210813T050143_D001 CS_OFFL_SIR_LRM_18_20210813T050234_20210813T050319_D001 CS_OFFL_SIR_LRM_18_20210813T050323_20210813T050319_D001 CS_OFFL_SIR_LRM_18_20210813T050323_20210813T050319_D001 CS_OFFL_SIR_LRM_18_20210813T050914_20210813T051524_D001 CS_OFFL_SIR_LRM_18_20210813T053450_20210813T053718_D001 CS_OFFL_SIR_LRM_18_20210813T053450_20210813T053718_D001 CS_OFFL_SIR_LRM_18_20210813T053450_20210813T05059_D001 CS_OFFL_SIR_LRM_18_20210813T056232_20210813T070509_D001 CS_OFFL_SIR_LRM_18_20210813T0765232_20210813T070509_D001 CS_OFFL_SIR_LRM_18_20210813T07431_20210813T07627_D001 CS_OFFL_SIR_LRM_18_20210813T07435_20210813T073852_D001 CS_OFFL_SIR_LRM_18_20210813T074055_20210813T075107_D001 CS_OFFL_SIR_LRM_18_20210813T074055_20210813T075002_D001 CS_OFFL_SIR_LRM_18_20210813T075408_20210813T076002_D001 CS_OFFL_SIR_LRM_18_20210813T075408_20210813T080028_D001 CS_OFFL_SIR_LRM_18_20210813T08405_20210813T080028_D001 CS_OFFL_SIR_LRM_18_20210813T083402_20210813T0803356_D001 CS_OFFL_SIR_LRM_18_20210813T083415_20210813T083356_D001 CS_OFFL_SIR_LRM_18_20210813T083415_20210813T083356_D001 CS_OFFL_SIR_LRM_18_20210813T083415_20210813T083356_D001 CS_OFFL_SIR_LRM_18_20210813T083415_20210813T083356_D001 CS_OFFL_SIR_LRM_18_20210813T083415_20210813T083356_D001 CS_OFFL_SIR_LRM_18_20210813T083415_20210813T083356_D001 CS_OFFL_SIR_LRM_18_20210813T083415_20210813T083356_D001 CS_OFFL_SIR_LRM_18_20210813T083415_20210813T083439_D001 CS_OFFL_SIR_LRM_18_20210813T083432_2010813T083439_D001 CS_OFFL_SIR_LRM_18_20210813T083434_20210813T083439_D001 CS_OFFL_SIR_LRM_18_20210813T083434_20210813T083439_D001 CS_OFFL_SIR_LRM_18_20210813T083434_20210813T083554_D001 CS_OFFL_SIR_LRM_18_20210813T0836302_20210813T085549_D001 CS_OFFL_SIR_LRM_18_20210813T0803402_020210813T085549_D001 CS_OFFL_SIR_LRM_18_20210813T0803402_020210813T08035549_D001 CS_OFFL_SIR_LRM_18_20210813T0803402_020210813T08035232_D001 CS_OFFL_SIR_LRM_18_20210813T0803402_020210813T0803549_D001 CS_OFFL_SIR_LRM_18_20210813T0803402_02021	CS_OFFL_SIR_LRM_1B_20210813T033414_20210813T033608_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T050234_20210813T050319_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050323_20210813T050739_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050453_20210813T0505718_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T054453_20210813T062059_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T065232_20210813T070508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T07431_20210813T07508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T07431_20210813T07508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T074055_20210813T075052_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T074055_20210813T075107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T074055_20210813T075107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083240_20210813T083356_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083415_20210813T083423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_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 CS_OFFL_SIR_	CS_OFFL_SIR_LRM_1B_20210813T042914_20210813T044049_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T050323_20210813T050739_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T050914_20210813T053718_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T053450_20210813T062059_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T065232_20210813T070508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T07431_20210813T071627_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T071431_20210813T071627_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T074055_20210813T073852_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T074055_20210813T075107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T081306_20210813T082935_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T08340_20210813T083455_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083415_20210813T083437_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083432_20210813T084118_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T084432_20210813T084418_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T084432_20210813T084418_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more rec	CS_OFFL_SIR_LRM_1B_20210813T050004_20210813T050143_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T050914_20210813T051524_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing fo	CS_OFFL_SIR_LRM_1B_20210813T050234_20210813T050319_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T053450_20210813T06259_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T065453_20210813T070508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T07431_20210813T076508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T07431_20210813T074627_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T072355_20210813T073852_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T074055_20210813T075107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T075408_20210813T080028_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T08306_20210813T08028_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_20210813T083445_20210813T08335_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083445_20210813T083425_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083429_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T0834343_20210813T08549_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	CS_OFFL_SIR_LRM_1B_20210813T050323_20210813T050739_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T054453_20210813T070508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T07431_20210813T07508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T07431_20210813T073852_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T072355_20210813T073852_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T074055_20210813T075107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T075408_20210813T080028_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083408_20210813T082935_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083240_20210813T083356_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083415_20210813T083423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083426_20210813T083427_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T085549_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_20210813T080509_20210813T092732_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210813T050914_20210813T051524_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T065232_20210813T070508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T072355_20210813T073852_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T072355_20210813T075107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T075408_20210813T075107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T075408_20210813T080028_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083408_20210813T083293_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083424_20210813T083356_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083425_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083426_20210813T083427_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T0834439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T085549_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_20210813T082609_20210813T082732_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_20210813T082609_20210813T082732_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or	CS_OFFL_SIR_LRM_1B_20210813T053450_20210813T053718_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T071431_20210813T073852_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T072355_20210813T073852_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T074055_20210813T075107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T08408_20210813T080028_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T081306_20210813T082935_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083420_20210813T083356_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083415_20210813T083423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083426_20210813T083427_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T08344118_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T085549_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T082609_20210813T082732_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_20210813T082609_20210813T092732_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210813T054453_20210813T062059_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T072355_20210813T073852_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T074055_20210813T075107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T081306_20210813T080028_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T081306_20210813T082935_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083240_20210813T083356_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083426_20210813T083427_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T084118_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T085549_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_20210813T085002_20210813T085549_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_20210813T085002_20210813T085549_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210813T065232_20210813T070508_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T074055_20210813T075107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T081306_20210813T082935_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083240_20210813T08395_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083240_20210813T083356_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083415_20210813T083423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083426_20210813T083427_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T0834118_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T085549_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T085302_20210813T092732_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_20210813T092609_20210813T092732_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210813T071431_20210813T071627_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T075408_20210813T080028_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083240_20210813T083356_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083424_20210813T083356_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083415_20210813T083423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083426_20210813T083427_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T084118_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T085302_20210813T085549_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_20210813T085302_20210813T085549_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_20210813T092609_20210813T092732_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210813T072355_20210813T073852_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T081306_20210813T082935_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083240_20210813T083356_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083415_20210813T083423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083426_20210813T083427_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T083418_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T085302_20210813T085549_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_20210813T082609_20210813T092732_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_20210813T092609_20210813T092732_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210813T074055_20210813T075107_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T083240_20210813T083356_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083415_20210813T083423_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083426_20210813T083427_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T084118_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T085302_20210813T085549_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210813T075408_20210813T080028_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20210813T083426_20210813T083427_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T084118_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T085302_20210813T085549_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210813T083240_20210813T083356_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T084118_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T085302_20210813T085549_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210813T083415_20210813T083423_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T084118_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T085302_20210813T085549_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T092609_20210813T092732_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210813T083426_20210813T083427_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T085302_20210813T085549_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210813T092609_20210813T092732_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210813T083431_20210813T083439_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T092609_20210813T092732_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210813T083443_20210813T084118_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20210813T085302_20210813T085549_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T092745_20210813T092854_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210813T092609_20210813T092732_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20210813T092745_20210813T092854_D001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20210813T092856_20210813T092859_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T092902_20210813T092916_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20210813T092918 20210813T092928 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T092932_20210813T094027_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T095209_20210813T095429_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T095552_20210813T100141_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T100425_20210813T102711_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T103101_20210813T103937_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T104259_20210813T110713_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T111225_20210813T111552_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T113049_20210813T113137_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T113300_20210813T113731_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T113901_20210813T120636_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T1330T_20210813T125059_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T125135_20210813T125355_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_20210813T125355_20210813T130021_D001 CS_OFFL_SIR_LRM_1B_20210813T141041_20210813T141327_D001	Loss of echo	ů ů
		The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T141330_20210813T141447_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T141449_20210813T141457_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T141459_20210813T141643_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T141839_20210813T142012_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T142034_20210813T142335_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T142757_20210813T142803_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T142825_20210813T142847_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T143017_20210813T143138_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T143138_20210813T143338_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T143613_20210813T143639_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T145114_20210813T152420_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T160003_20210813T160710_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T160903_20210813T161024_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T162822_20210813T163946_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T165837_20210813T170323_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T180711_20210813T182557_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T183044_20210813T183643_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T183711_20210813T184245_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T190142_20210813T191409_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T194603_20210813T194817_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T194819_20210813T195148_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T200713_20210813T202148_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T204351_20210813T205014_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T205558_20210813T210834_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T210958_20210813T211214_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T212449_20210813T212922_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T213006_20210813T213515_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T213517_20210813T213524_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T213526_20210813T213629_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T213659_20210813T213817_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T220927_20210813T221043_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T221635_20210813T223348_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T223350_20210813T223824_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T223826_20210813T224207_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T224433_20210813T224955_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T230336_20210813T231033_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T231035_20210813T231054_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T231235_20210813T231329_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210813T231540_20210813T233555_D001	Loss of echo	The tracking echo is missing for one or more records

4.5 L1B Calibration Usage Check

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

Number of products with errors:

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.

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:

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).

0

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:

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: 60

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220210813T000617_20210813T003007_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_220210813T004610_20210813T011857_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_220210813T013159_20210813T013904_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_220210813T014302_20210813T020105_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_220210813T022712_20210813T025848_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 , a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210813T031046_20210813T031303_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_220210813T031733_20210813T032010_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_220210813T033414_20210813T033608_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_220210813T033828_20210813T034724_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_20210813T040520_20210813T042629_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_220210813T042914_20210813T044049_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_220210813T045008_20210813T045239_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_220210813T050914_20210813T051524_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_220210813T054453_20210813T062059_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_220210813T063238_20210813T065225_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_220210813T065232_20210813T070508_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_220210813T072355_20210813T073852_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_220210813T074055_20210813T075107_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_220210813T081306_20210813T082935_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_220210813T091859_20210813T092123_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_220210813T092902_20210813T092916_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210813T092932_20210813T094027_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210813T095209_20210813T095429_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_220210813T100425_20210813T102711_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_220210813T104259_20210813T110713_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_220210813T111715_20210813T111753_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_220210813T113901_20210813T120636_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_220210813T122227_20210813T125059_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_220210813T125355_20210813T130021_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_220210813T131414_20210813T134421_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_220210813T141041_20210813T141327_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_220210813T143722_20210813T143911_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_220210813T145114_20210813T152420_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 , a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210813T154226_20210813T155756_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_220210813T161623_20210813T161808_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_220210813T162822_20210813T163946_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_220210813T164028_20210813T165826_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_220210813T165837_20210813T170323_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_220210813T172052_20210813T174006_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_220210813T174025_20210813T175329_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_220210813T175329_20210813T175451_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_220210813T180711_20210813T182557_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_220210813T183044_20210813T183643_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_220210813T183711_20210813T184245_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_220210813T190142_20210813T191409_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_220210813T191523_20210813T193211_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_220210813T195425_20210813T200510_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_220210813T200713_20210813T202148_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_220210813T203909_20210813T204324_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_220210813T204351_20210813T205014_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_220210813T205558_20210813T210834_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_220210813T210958_20210813T211214_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_220210813T214633_20210813T220038_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_220210813T221635_20210813T223348_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_220210813T223350_20210813T223824_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_220210813T223826_20210813T224207_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_220210813T231035_20210813T231054_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210813T231540_20210813T233555_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_220210813T233646_20210813T233934_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_220210813T235523_20210814T002148_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

6. QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_LRM_1B	157	157	157	0	0
SIR_SAR_1B	116	116	116	0	0
SIR_SIN_1B	115	115	115	0	0
SIR_LRM_2	157	157	151	6	0
SIR_SAR_2	115	116	116	0	0
SIR_SIN_2	116	115	115	0	0
SIR_GDR_2	14	14	0	0	14

6.1 QCC Errors

Number of products with QCC errors:

1/1

Product Type	MPHDUTNCDF	MPHXPFNCDF	MPHXVFNCDF	MPHYPFNCDF	MPHYVFNCDF	MPHZPFNCDF	MPHZVFNCDF	-	-	-	-
SIR_GDR_2_	14	14	14	14	14	14	14	-			

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)				

6.2 QCC Warnings

Number of QCC reports with warnings

6

Total number of occurrences of each warning

Product Type	AXSMMEOCI	-	-	-	-	-	-
SIR_LRM_2_	6						

Test Description Key:		
Abbreviation	Test name	Details
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