

# 14/10/2020



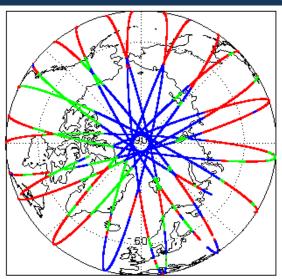
# 1. Overview

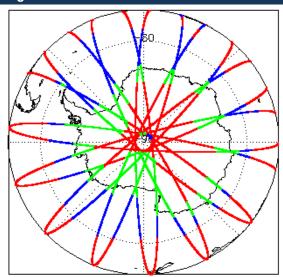
Report Production Date:	12-Nov-2020				
Processor Used:	CryoSat Ice Processor				
Data Used:	L1B and L2 OFFLINE Data				

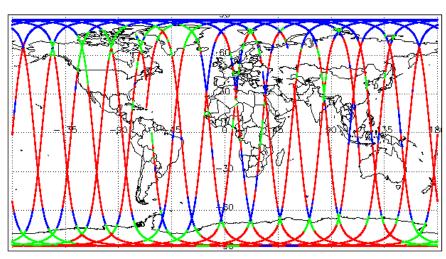
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

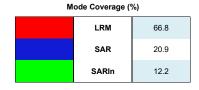
Mission / Instru	Mission / Instrument News					
13-Oct-2020	None					
14-Oct-2020	None					
15-Oct-2020	Due to the MMFU packet store 5 recovery, SIRAL was unavailable on the 15/10/2020 from 07:48:54 UTC to 08:05:00 UTC					

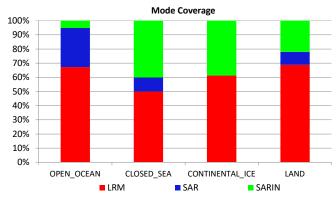
# 2. Global Coverage

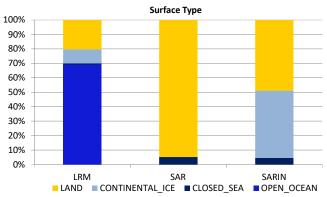












### 3. Instrument Configuration

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.

lumber of products with errors: 13

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20201014T000444_20201014T001059_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T001153_20201014T001505_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T001507_20201014T001915_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T001917_20201014T001945_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T001949_20201014T001958_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T002030_20201014T002049_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T002051_20201014T002054_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T002057_20201014T002117_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T002119_20201014T002618_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T003809_20201014T004014_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T004136_20201014T004441_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T004458_20201014T004846_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T005009_20201014T005634_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T005636_20201014T011250_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T015035_20201014T015135_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T015518_20201014T015613_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T015748_20201014T020119_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T021847_20201014T022635_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T022639_20201014T022709_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T022711_20201014T022713_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T022715_20201014T025219_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T030825_20201014T033440_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T033442_20201014T034009_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T034009_20201014T034226_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T044734_20201014T050518_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T050521_20201014T050529_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T050531_20201014T051010_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T051012_20201014T051121_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T051124_20201014T051204_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T051343_20201014T051455_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T051633_20201014T051733_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T051733_20201014T051754_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T052209_20201014T052245_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T063853_20201014T064108_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T064128_20201014T064829_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T065013_20201014T065256_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T065546_20201014T065640_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T071413_20201014T072528_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T072814_20201014T074925_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T081834_20201014T082552_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T082647_20201014T083108_D001	Loss of echo	The tracking echo is missing for one or more records

Comp. 18.   Lab.   18.   2000141	CS_OFFL_SIR_LRM_1B_20201014T085259_20201014T090232_D001	Loss of echo	The tracking echo is missing for one or more records
Company   Comp			
Dec.   Percent   Dec.   Percent   Dec.   D			· ·
Dec.   Company   Dec.   Company   Dec.   Company   Dec.   Company   Dec.   De			
Dec.   Company   Dec.   Company   Dec.   Company   Dec.			
Dec.   Company   Dec.			
See Office See Live III. 20201011110322_200101110340_2001  Co., CHT_SEELUM III. 20201011110340_200101110340_2001  Less of election in the bedrag data in missage for one in more records.  Co., CHT_SEELUM III. 20201011110340_200101110340_2001  Less of election in the bedrag data in missage for one in more records.  Co., CHT_SEELUM III. 20201011110340_200101110340_2001  Less of election in the bedrag data in missage for one in more records.  Co., CHT_SEELUM III. 20201011110340_200101110340_2001  Less of election in the bedrag data in missage for one in more records.  Co., CHT_SEELUM III. 20201011110340_200101110340_2001  Less of election in the bedrag data in missage for one in more records.  Co., CHT_SEELUM III. 20201011110340_200101110340_2001  Less of election in the bedrag data in missage for one in more records.  Co., CHT_SEELUM III. 20201011110340_200101110340_2001  Less of election in the bedrag data in missage for one in more records.  Co., CHT_SEELUM III. 20201011110340_200101110340_2001  Less of election in the bedrag data in missage for one in more records.  Co., CHT_SEELUM III. 20201011110340_200101110340_2001  Less of election.  Co., CHT_SEELUM III. 20201011110340_2001011110340_2001  Less of election.  Co., CHT_SEELUM III. 202010111103400_2001011110340_2001  Less of election.  Co., CHT_SEELUM III. 202010111103400_2001011110340_200101110340			
Company   1981			
Compagning   Com			C C
Co. OFT., SMIL, 1941   19, 2001011110002_2000111110002_00011110002_00011110002_00011110002_00011110002_00011110002_000111100002_00011110002_00011110002_00011110002_00011110002_00011110002_00011110002_00011110002_00011110002_000111100002_00011100002_00011100002_00011100002_000111000002_000111000002_000111000002_000111000002_000111000002_00000000			
So, OFFE, SELVAN, 18, 2020191171930, 202019171930, 2			· ·
So, CPT_BILL_MM_R_1_20201014T10500_202014T110500_D001  continued to the control of the technique grows in among for one or more recents  Cot_CPT_BILL_MM_1_20201014T10500_202014T110500_D001  control of units of the technique grows in among for one or more recents  Cot_CPT_BILL_MM_1_20201014T10500_202014T110500_D001  control of units of			
See OFFE, SRI, LAM, 19, 2000164111304, 2000164113055, 20016413055, 2001			
Co. OFT_C. BILLIANS_12_2020104111354_202010411355_20201041355_202010411355_202010411355_202010411355_202010411355_20201041355_202010411355_202010411355_202010411355_202010411355_20201041355_202010411355_202010411355_202010411355_202010411355_20201041355_202010411355_202010411355_202010411355_202010411355_20201041355_202010411355_202010411355_202010411355_202010411355_202010415_2020_2010415_			
So GFT_SR_LEM_19_20001041113602_200014113602_D001 Loss of elebo  The touching spite is missing for one or more records  Co_GFT_SR_LEM_19_20001041113602_200014113602_D001 Loss of elebo The touching spite is missing for one or more records  Co_GFT_SR_LEM_19_20001041113602_200014113602_D001 Loss of elebo The touching spite is missing for one or more records  Co_GFT_SR_LEM_19_2000104113602_200014113602_D001 Loss of elebo The touching spite is missing for one or more records  Co_GFT_SR_LEM_19_2000104113602_200014113602_D001 Loss of elebo The touching spite is missing for one or more records  Co_GFT_SR_LEM_19_2000104113602_200014113602_D001 Loss of elebo The touching spite is missing for one or more records  Co_GFT_SR_LEM_19_2000104113602_20001413604_D001 Loss of elebo The touching spite is missing for one or more records  Co_GFT_SR_LEM_19_2000104113602_20001413604_D001 Loss of elebo The touching spite is missing for one or more records  Co_GFT_SR_LEM_19_2000104113602_20001413604_D001 Loss of elebo The touching spite is missing for one or more records  Co_GFT_SR_LEM_19_200010413604_20001413604_D001 Loss of elebo The touching spite is missing for one or more records  Co_GFT_SR_LEM_19_200010413604_20001413604_D001 Loss of elebo The touching spite is missing for one or more records  Co_GFT_SR_LEM_19_200010413604_20001413604_D001 Loss of elebo The touching spite is missing for one or more records  Co_GFT_SR_LEM_19_20001413604_20001413604_D001 Loss of elebo The touching spite is missing for one or more records  Co_GFT_SR_LEM_19_20001413604_20001413604_D001 Loss of elebo The touching spite is missing for one or more records  Co_GFT_SR_LEM_19_20001413604_20001413604_D001 Loss of elebo The touching spite is missing for one or more records  Co_GFT_SR_LEM_19_20001413604_20001413604_D001 Loss of elebo The touching spite is missing for one or more records  Co_GFT_SR_LEM_19_20001413604_20001413604_D001 Loss of elebo The touching spite is missing for one or more records  Co_GFT_SR_LEM_19_20001413604_20001413604_D001 Loss of elebo			
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Les CPEL, SPEL, LEW, LES (2000104111582 2000104111582 2000104111582 200010411583 2000104158 2000104			
See CPFL_SIR_LEMS_18_20201014115082_2020104115086_001  CB_CPFL_SIR_LEMS_18_2020104141022_2020104115086_001  Loss of eitho  CB_CPFL_SIR_LEMS_18_2020104141022_2020104115086_001  Loss of eitho  CB_CPFL_SIR_LEMS_18_2020104141022_2020104114086_001  Loss of eitho  The leading each is missing for one or more records  The leading each is missing for one or more records  CB_CPFL_SIR_LEMS_18_2020104141022_2020104114086_001  Loss of eitho  The leading each is missing for one or more records  CB_CPFL_SIR_LEMS_18_2020104141022_20201041440023_001  Loss of eitho  The leading each is missing for one or more records  The leading each is missing for one or more records  CB_CPFL_SIR_LEMS_18_20201041410024_001  Loss of eitho  The leading each is missing for one or more records  CB_CPFL_SIR_LEMS_18_20201041410024_001  Loss of eitho  The leading each is missing for one or more records  CB_CPFL_SIR_LEMS_18_20201041410038_001  Loss of eitho  The leading each is missing for one or more records  CB_CPFL_SIR_LEMS_18_20201041410038_001  Loss of eitho  CB_CPFL_SIR_LEMS_18_20201041410038_001  Loss of eitho  The leading each is missing for one or more records  CB_CPFL_SIR_LEMS_18_20201041410038_001  Loss of eitho  The leading each is missing for one or more records  CB_CPFL_SIR_LEMS_18_20201041410038_001  Loss of eitho  The leading each is missing for one or more records  CB_CPFL_SIR_LEMS_18_20201041410038_001  Loss of eitho  The leading each is missing for one or more records  CB_CPFL_SIR_LEMS_20201041410038_001  Loss of eitho  The leading each is missing for one or more records  CB_CPFL_SIR_LEMS_2020104141038_001  Loss of eitho  The leading each is missing for one or more records  CB_CPFL_SIR_LEMS_2020104141038_001  Loss of eitho  The leading each is missing for one or more records  CB_CPFL_SIR_LEMS_2020104141038_001  Loss of eitho  The leading each is missing for one or more records  CB_CPFL_SIR_LEMS_2020104141032200104141032000  Loss of eitho  The leading each is missing for one or more records  CB_CPFL_SIR_LEMS_2020104141032200104141032			
CS_OFF_SR_LRM_18_20201041712018_20201041712062_0001  CS_OFF_SR_LRM_18_20201041712062_0001041712062_0001  CS_OFF_SR_LRM_18_20201041712062_0001041712062_0001  CS_OFF_SR_LRM_18_20201041712062_0001041712062_0001  CS_OFF_SR_LRM_18_20201041712062_0001041712062_0001  CS_OFF_SR_LRM_18_20201041712062_0001041712062_0001  CS_OFF_SR_LRM_18_20201041712062_0001041712062_0001  CS_OFF_SR_LRM_18_20201041712062_0001041712062_0001  CS_OFF_SR_LRM_18_20201041712062_0001041712062_0001  CS_OFF_SR_LRM_18_20201041712062_0001041712062_0001  CS_OFF_SR_LRM_18_20201041712062_0001041712068_0001  CS_OFF_SR_LRM_18_20201041712062_0001041712068_0001  CS_OFF_SR_LRM_18_20201041712062_0001041712068_0001  CS_OFF_SR_LRM_18_20201041712060_0001041712068_0001  CS_OFF_SR_LRM_18_20201041712060_0001041712068_0001  CS_OFF_SR_LRM_18_20201041712060_0001041712068_0001  CS_OFF_SR_LRM_18_20201041712060_0001041712068_0001  CS_OFF_SR_LRM_18_20201041712060_0001041712068_0001  CS_OFF_SR_LRM_18_20201041712060_0001041712068_0001  CS_OFF_SR_LRM_18_20201041712060_0001041712068_0001  CS_OFF_SR_LRM_18_20201041712060_0001041712060_0001  CS_OFF_SR_LRM_18_20201041712060_0001041712068_0001  CS_OFF_SR_LRM_18_20201041712060_0001041712060_0001  CS_OFF_SR_LRM_18_20201041712060_0001041712060_0001  CS_OFF_SR_LRM_18_20201041712060_0001041712060_0001  CS_OFF_SR_LRM_18_20201041712060_0001041712060_0001  CS_OFF_SR_LRM_18_2020104171720_0001041712060_0001  CS_OFF_SR_LRM_18_2020104171720_000104172060_0001  CS_OFF_SR_LRM_18_20201041717206			
CS OFFL, SIR LBM. 18, 202010141713022, 20201041713056 D001  CS OFFL, SIR LBM. 18, 202010141713056 D00104174054 D001  CS OFFL, SIR LBM. 18, 202010141713052 D00104174054 D001  CS OFFL, SIR LBM. 18, 20201014170575 D00104174054 D001  CS OFFL, SIR LBM. 18, 20201014170575 D001041740575 D001  CS OFFL, SIR LBM. 18, 20201014170575 D00104175075 D00104  CS OFFL, SIR LBM. 18, 20201014170575 D00104175075 D00104  CS OFFL, SIR LBM. 18, 20201014170575 D00104175075 D00104  CS OFFL, SIR LBM. 18, 20201014170575 D00104175058 D001  CS OFFL, SIR LBM. 18, 20201014170575 D00104175059 D001  CS OFFL, SIR LBM. 18, 20201014170575 D00104175059 D001  CS OFFL, SIR LBM. 18, 20201014170575 D00104175059 D001  CS OFFL, SIR LBM. 18, 20201014170500 D00104175050 D00104  CS OFFL, SIR LBM. 18, 20201014170500 D00104175050 D00104  CS OFFL, SIR LBM. 18, 20201014170500 D00104175050 D00104170500 D0010404  CS OFFL, SIR LBM. 18, 20201014170500 D00104170500 D00104170500 D0010404170500 D001040417050 D0010404170500 D0010404170500 D001040417050 D0010404170400 D001040			
CS_CFT_SR_LPAL_18_200210141713696_200101  CS_CFT_SR_LPAL_18_200210141713692_200101  CS_CFT_SR_LPAL_18_200210141713692_200101  CS_CFT_SR_LPAL_18_200210141713693_200101  CS_CFT_SR_LPAL_18_200210141713693_200101  CS_CFT_SR_LPAL_18_200210141713693_200101  CS_CFT_SR_LPAL_18_200210141713693_200101  CS_CFT_SR_LPAL_18_20021014173693_2001014173693_D010  CS_CFT_SR_LPAL_18_20021014173693_2001014173694_D010  CS_CFT_SR_LPAL_18_20021014173693_2001014173694_D010  CS_CFT_SR_LPAL_18_20021014173693_2001014173694_D010  CS_CFT_SR_LPAL_18_20021014173693_2001014173694_D010  CS_CFT_SR_LPAL_18_20021014173693_2001014173694_D010  CS_CFT_SR_LPAL_18_20021014173693_200104173694_D010  CS_CFT_SR_LPAL_18_20021014173693_200104173694_D010  CS_CFT_SR_LPAL_18_20021014173693_200104173694_D010  CS_CFT_SR_LPAL_18_20021014173693_200104173694_D010  CS_CFT_SR_LPAL_18_20021014173693_200104173694_D010  CS_CFT_SR_LPAL_18_20021014173693_200104173694_D010  CS_CFT_SR_LPAL_18_20021014173693_200104173749_D010  CS_CFT_SR_LPAL_18_20021014173693_200104173690_D010  CS_CFT_SR_LPAL_18_20021014173693_200104173690_D010  CS_CFT_SR_LPAL_18_20021014173693_200104173690_D010  CS_CFT_SR_LPAL_18_20021014173693_200104173690_D010  CS_CFT_SR_LPAL_18_20021014173693_200104173690_D010  CS_CFT_SR_LPAL_18_20021014173693_200104173690_D010  CS_CFT_SR_LPAL_18_20021014173693_200104173690_D010  CS_CFT_SR_LPAL_18_20021014173693_2001041173690_D010  CS_CFT_SR_LPAL_18			
CS_OFFL_SR_LRM_18_20001014T140215_20001014T140238_D001 Loss of scho The tracking act to in missing for one or more records CS_OFFL_SR_LRM_18_20001014T16078_20001014T16078_D001 Loss of scho The tracking act to in missing for one or more records CS_OFFL_SR_LRM_18_20001014T16078_20001014T16078_D001 Loss of scho The tracking act to in missing for one or more records CS_OFFL_SR_LRM_18_20001014T16081_20001014T16088_D001 Loss of scho The tracking act to in missing for one or more records CS_OFFL_SR_LRM_18_20001014T16081_20001014T16082_D001 Loss of scho The tracking act to in missing for one or more records CS_OFFL_SR_LRM_18_20001014T16080_20001014T16082_D001 Loss of scho The tracking act to in missing for one or more records CS_OFFL_SR_LRM_18_20001014T16082_20001014T16082_D001 Loss of scho The tracking act to in missing for one or more records CS_OFFL_SR_LRM_18_20001014T16082_20001014T16082_D001 Loss of scho The tracking act to in missing for one or more records CS_OFFL_SR_LRM_18_20001014T16082_20001014T16082_D001 Loss of scho The tracking act to in missing for one or more records CS_OFFL_SR_LRM_18_20001014T16082_20001014T16082_D001 Loss of scho The tracking act to in missing for one or more records CS_OFFL_SR_LRM_18_20001014T16082_20001014T16082_D001 Loss of scho The tracking act to in missing for one or more records CS_OFFL_SR_LRM_18_20001014T16082_20001014T16082_D001 Loss of scho The tracking act to in missing for one or more records CS_OFFL_SR_LRM_18_20001014T17082_20001014T17108_D001 Loss of scho The tracking act to in missing for one or more records CS_OFFL_SR_LRM_18_20001014T17108_20001014T17108_D001 Loss of scho The tracking act to in missing for one or more records CS_OFFL_SR_LRM_18_20001014T17108_20001014T17108_D001 Loss of scho The tracking act to in missing for one or more records CS_OFFL_SR_LRM_18_20001014T17108_20001014T17108_D001 Loss of scho The tracking act to in missing for one or more records CS_OFFL_SR_LRM_18_20001014T17084_20001014T17108_D001 Loss of scho The tracking act to in missing for one or			
CS_CFFL_SRL_RBL_18_2001014T144034_2001014T14038_0001 Loss of exhat The tracking exho is missing for one or more records CS_CFFL_SRL_RBL_18_2001014T14057_2001014T15083_0001 Loss of exhat The tracking exho is missing for one or more records CS_CFFL_SRL_RBL_18_2001014T15083_2001014T15083_0001 Loss of exhat The tracking exho is missing for one or more records CS_CFFL_SRL_RBL_18_2001014T15083_2001014T15083_0001 Loss of exhat The tracking exho is missing for one or more records CS_CFFL_SRL_RBL_18_2001014T15083_2001014T15083_0001 Loss of exhat The tracking exho is missing for one or more records CS_CFFL_SRL_RBL_18_2001014T15083_2001014T15083_0001 Loss of exhat The tracking exho is missing for one or more records CS_CFFL_SRL_RBL_18_2001014T15083_2001014T15083_0001 Loss of exhat The tracking exho is missing for one or more records CS_CFFL_SRL_RBL_18_2001014T15083_2001014T16084_0001 Loss of exhat The tracking exho is missing for one or more records CS_CFFL_SRL_RBL_18_2001014T16033_2001014T16094_0001 Loss of exhat The tracking exho is missing for one or more records CS_CFFL_SRL_RBL_18_2001014T16033_2001014T16094_0001 Loss of exhat The tracking exho is missing for one or more records CS_CFFL_SRL_RBL_18_2001014T17003_2001014T17092_0001 Loss of exhat The tracking exho is missing for one or more records CS_CFFL_SRL_RBL_18_2001014T17003_2001014T17093_0001 Loss of exhat The tracking exho is missing for one or more records CS_CFFL_SRL_RBL_18_2001014T17003_2001014T17093_0001 Loss of exhat The tracking exho is missing for one or more records CS_CFFL_SRL_RBL_18_2001014T17003_2001014T17093_0001 Loss of exhat The tracking exho is missing for one or more records CS_CFFL_SRL_RBL_18_2001014T17093_2001014T17093_0001 Loss of exhat The tracking exhat is missing for one or more records CS_CFFL_SRL_RBL_18_2001014T17093_2001014T17093_0001 Loss of exhat The tracking exhat is missing for one or more records CS_CFFL_SRL_RBL_18_2001014T17093_2001014T17093_0001 Loss of exhat The tracking exhat is missing for one or more records CS_CFFL_SRL_RBL_18_			
CS, OFFL, SRI, LRM, 19, 20001014T1407-20201014T15084, D001 Loss of scho The tracking action is missing for one or more records OS, OFFL, SRI, LRM, 19, 20001014T16095, 20001014T15084, D001 Loss of scho The tracking action is missing for one or more records OS, OFFL, SRI, LRM, 19, 20001014T16090, 20001014T15080, D001 Loss of exho The tracking action is missing for one or more records OS, OFFL, SRI, LRM, 19, 20001014T16090, 20001014T15080, D001 Loss of exho The tracking action is missing for one or more records OS, OFFL, SRI, LRM, 19, 20001014T15090, 20001014T15080, D001 Loss of exho The tracking action is missing for one or more records OS, OFFL, SRI, LRM, 19, 20001014T15090, 20001014T15080, D001 Loss of exho The tracking action is missing for one or more records OS, OFFL, SRI, LRM, 19, 20001014T15080, 20001014T15080, D001 Loss of exho The tracking action is missing for one or more records OS, OFFL, SRI, LRM, 19, 20001014T15080, 20001014T15082, D001 Loss of exho The tracking action is missing for one or more records OS, OFFL, SRI, LRM, 19, 20001014T17100, 20001014T171032, D001 Loss of exho The tracking action is missing for one or more records OS, OFFL, SRI, LRM, 19, 20001014T17100, 20001014T17132, D001 Loss of exho The tracking action is missing for one or more records OS, OFFL, SRI, LRM, 19, 20001014T17100, 20001014T17132, D001 Loss of exho The tracking action is missing for one or more records OS, OFFL, SRI, LRM, 19, 20001014T17100, 20001014T17135, D001 Loss of exho The tracking action is missing for one or more records OS, OFFL, SRI, LRM, 19, 20001014T17100, 20001014T17135, D001 Loss of exho The tracking action is missing for one or more records OS, OFFL, SRI, LRM, 19, 20001014T17100, 20001014T17135, D001 Loss of exho The tracking action is missing for one or more records OS, OFFL, SRI, LRM, 19, 20001014T17100, 20001014T17135, D001 Loss of exho The tracking action is missing for one or more records OS, OFFL, SRI, LRM, 19, 20001014T17100, 20001014T17135, D001 Loss of exho The tracking action is missing for one			
CS_OFF_SR_LRM_18_20201014T15078_70201014T15083_D001  CS_OFF_SR_LRM_18_20201014T150837_20201014T150839_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20201014T150900_20201014T150907_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20201014T150900_20201014T150907_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20201014T150900_20201014T150907_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20201014T153948_20201014T153825_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20201014T153948_20201014T153825_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20201014T171038_20201014T153825_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20201014T171038_20201014T171327_D001  CS_OFF_SR_LRM_18_20201014T171038_20201014T171327_D001  CS_OFF_SR_LRM_18_20201014T171030_20201014T17132D_D001  CS_OFF_SR_LRM_18_20201014T171730_20201014T17174D_D001  CS_OFF_SR_LRM_18_20201014T171730_20201014T17174D_D001  CS_OFF_SR_LRM_18_20201014T171730_20201014T17174D_D001  CS_OFF_SR_LRM_18_20201014T171730_20201014T17174D_D001  CS_OFF_SR_LRM_18_20201014T171730_20201014T17174D_D001  CS_OFF_SR_LRM_18_20201014T171730_20201014T171730_D001  CS_OFF_SR_LRM_18_20201014T171730_20201014T171730_D001  CS_OFF_SR_LRM_18_20201014T171730_20201014T171730_D001  CS_OFF_SR_LRM_18_20201014T171730_20201014T171730_D001  CS_OFF_SR_LRM_18_20201014T171730_20201014T171730_D001  CS_OFF_SR_LRM_18_20201014T171730_20201014T17730_D001  CS_OFF_SR_LRM_18_20201014T171730_20201014T17730_D001  CS_OFF_SR_LRM_18_20201014T171730_20201014T17730_D001  CS_OFF_SR_LRM_18_20201014T1740_D00201014T17730_D001  CS_OFF_SR_LRM_18_20201014T1740_D00201014T17730_D001  CS_OFF_SR_LRM_18_20201014T1740_D00201014T17730_D001  CS_OFF_SR_LRM_18_20201014T17400_D001014T17300_D001  CS_OFF_SR_LRM_18_20201014T17400_D001014T1730			
CS_OFFL_SIR_LRM_1B_20201014T150837_20201014T150835_D001  CS_OFFL_SIR_LRM_1B_20201014T150806_20201014T150805_D001  CS_OFFL_SIR_LRM_1B_20201014T150806_20201014T150825_D001  CS_OFFL_SIR_LRM_1B_20201014T150806_20201014T150825_D001  CS_OFFL_SIR_LRM_1B_20201014T150806_20201014T150825_D001  CS_OFFL_SIR_LRM_1B_20201014T150806_20201014T150825_D001  CS_OFFL_SIR_LRM_1B_20201014T150806_20201014T150825_D001  CS_OFFL_SIR_LRM_1B_20201014T150806_20201014T150825_D001  CS_OFFL_SIR_LRM_1B_20201014T150827_20201014T160842_D001  CS_OFFL_SIR_LRM_1B_20201014T170827_20201014T160842_D001  CS_OFFL_SIR_LRM_1B_20201014T171682_20201014T171880_D001  CS_OFFL_SIR_LRM_1B_20201014T171680_20201014T171880_D001  CS_OFFL_SIR_LRM_1B_20201014T171680_20201014T171880_D001  CS_OFFL_SIR_LRM_1B_20201014T171680_20201014T171880_D001  CS_OFFL_SIR_LRM_1B_20201014T1717080_20201014T171780_D001  CS_OFFL_SIR_LRM_1B_20201014T1717902_20201014T171790_D001  CS_OFFL_SIR_LRM_1B_20201014T1717902_20201014T171790_D001  CS_OFFL_SIR_LRM_1B_20201014T1717902_20201014T1717900_D001  CS_OFFL_SIR_LRM_1B_20201014T177902_20201014T177900_D001  CS_OFFL_SIR_LRM_1B_20201014T177902_20201014T17900_D001  CS_OFFL_SIR_LRM_1B_20201014T179002_20201014T17900_D001  CS_OFFL_SIR_LRM_1B_20201014T179002_20201014T17900_D001  CS_OFFL_SIR_LRM_1B_20201014T179002_20201014T17900_D001  CS_OFFL_SIR_LRM_1B_20201014T179002_20201014T17900_			
CS_OFFL_SIR_LRM_1B_20201014T150841_20201014T150854_D0011 Loss of exho  The tracking acho is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T150805_20201014T150805_D0011 Loss of exho  The tracking acho is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T150815_20201014T158581_D0011 Loss of exho  The tracking acho is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T150815_20201014T158581_D0011 Loss of exho  The tracking acho is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T150815_20201014T150825_D0011 Loss of exho  The tracking acho is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T17082_20201014T19187_D0011 Loss of exho  The tracking acho is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T1717082_20201014T171728_D0011 Loss of exho  The tracking acho is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T1717182_20201014T171712_D0011 Loss of exho  The tracking acho is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T1717182_20201014T171718_D0011 Loss of exho  The tracking acho is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T1717182_20201014T171718_D0011 Loss of exho  The tracking acho is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T1717182_20201014T171718_D0011 Loss of exho  The tracking acho is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T177182_20201014T177181_D0011 Loss of exho  The tracking acho is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T177202_20201014T177205_D0011 Loss of exho  The tracking acho is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T177202_20201014T177205_D0011 Loss of exho  The tracking acho is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T177306_20201014T177306_D0011 Loss of exho  The tracking acho is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T177306_20201014T177306_D0011 Loss of exho  The tracking acho is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T17306_20201014T			
CS_OFF_SIR_LEM_18_20201041T19900_20201041T19902_D001			
CS_OFFL_SIR_LEM_18_2020104T193062_2020104T193836_2020104T193836_0001  CS_OFFL_SIR_LEM_18_2020104T193836_2020104T193836_0001  CS_OFFL_SIR_LEM_18_2020104T193836_2020104T19382_0001  CS_OFFL_SIR_LEM_18_2020104T19382_2020104T19382_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_2020104T19382_2020104T19382_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_2020104T19382_2020104T19382_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_2020104T1905_2020104T1932_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_2020104T19400_2020104T194S_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_2020104T19780_2020104T1974S_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_2020104T19780_2020104T1974S_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_2020104T19720_2020104T1974S_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_2020104T19720_2020104T197180_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_2020104T197200_2020104T19750_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_2020104T197200_2020104T19700_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_2020104T197200_2020104T19700_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_2020104T19700_2020104T19700_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_2020104T19800_2020104T19700_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_2020104T19800_2020104T19700_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_2020104T19700_2020104T19700_0001			
CS_OFF_SIR_LRM_18_20201014T153042_2020104T153825_D001  CS_OFF_SIR_LRM_18_20201014T153042_2020104T153825_D001  CS_OFF_SIR_LRM_18_20201014T153042_2020104T163825_D001  CS_OFF_SIR_LRM_18_20201014T153042_2020104T163825_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T171302_2020104T171322_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T171302_2020104T171322_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T171302_2020104T171728_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T171302_2020104T171728_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T171302_2020104T171728_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T17302_20201014T17302_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T17302_20201014T17302_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T17302_20201014T17302_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T17304_20201014T17304_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T17304_20201014T17304_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T17304_20201014T17304_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T180114_20201014T18354_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T180114_20201014T18353_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T180114_20201014T18353_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T180114_20201014			
CS_OFF_SIR_LRM_18_20201014T153842_20201014T160432_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T163822_20201014T160432_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T17032_20201014T16042_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T171703_20201014T171722_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T171730_20201014T171728_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T1730_20201014T171741_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T1730_20201014T17187_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T1720_20201014T1718_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T1720_20201014T17216_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T1720_20201014T17216_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T1730_20201014T1720_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T1730_20201014T1730_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T1730_20201014T1730_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T1730_20201014T1730_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T180_20201014T180_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T180_D001014T180_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LRM_18_20201014T180_D00201014T180_D001  Loss of exho  The tracking exho is missing for one or mor			, , ,
CS_OFFL_SIR_LRM_18_202010147153827_202010147161332_D001  CS_OFFL_SIR_LRM_18_202010147171032_202010147171337_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202010147171040_202010147171438_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202010147171400_202010147171738_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020101471717400_202010147171745_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202010147171792_202010147177167_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020101471717902_202010147177260_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202010147172002_202010147172760_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202010147172002_202010147172760_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202010147172002_202010147172760_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202010147172002_202010147172300_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202010147172005_202010147173337_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014718495_202010147188330_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014718930_202010147188330_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014718930_202010147189330_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202010147189330_202010147189330_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202010147189330_202010147189330_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFF			
CS_OFFL_SIR_LRM_18_20201014T171032_20201014T171733_D001  CS_OFFL_SIR_LRM_18_20201014T171032_20201014T171733_D001  CS_OFFL_SIR_LRM_18_20201014T171032_20201014T171738_D001  CS_OFFL_SIR_LRM_18_20201014T171732_20201014T171738_D001  CS_OFFL_SIR_LRM_18_20201014T171732_20201014T171738_D001  CS_OFFL_SIR_LRM_18_20201014T171732_20201014T171738_D001  CS_OFFL_SIR_LRM_18_20201014T171732_20201014T77174_D001  CS_OFFL_SIR_LRM_18_20201014T1717202_20201014T77174_D001  CS_OFFL_SIR_LRM_18_20201014T1717202_20201014T7720D001  CS_OFFL_SIR_LRM_18_20201014T172002_20201014T7720D001  CS_OFFL_SIR_LRM_18_20201014T172005_20201014T7720D001  CS_OFFL_SIR_LRM_18_20201014T178005_20201014T178303_D001  CS_OFFL_SIR_LRM_18_20201014T18005_20201014T178303_D001  CS_OFFL_SIR_LRM_18_20201014T18905_20201014T189001  CS_OFFL_SIR_LRM_18_20201014T18905_20201014T189001  CS_OFFL_SIR_LRM_18_20201014T18900_20201014T189001  CS_OFFL_SIR_LRM_18_20201014T18900_20201014T189001  CS_OFFL_SIR_LRM_18_20201014T190001  CS_OFFL_SIR_LRM_18_20201014T190001  CS_OFFL_SIR_LRM_18_20201014T190001  CS_OFFL_SIR_LRM_18_20201014T1900012001014T20001  CS_OFFL_SIR_LRM_18_20201014T1900012001014T20001  CS_OFFL_SIR_LRM_18_20201014T1900012001014T20001  CS_OFFL_SIR_LRM_18_20201014T1900012001014T20001  CS_OFFL_SIR_LRM_18_20201014T1900012001014T20001  CS_OFFL_SIR_LRM_18_20201014T1900012001014T200010101001  CS_OFFL_SIR_LRM_18_20201014T1900010101001  CS_OFFL_SIR_LRM_18_20201014T190001010101010101001  CS_OFFL_SIR_LRM_18_20201014T1200001014T20001010100101001010			
CS_OFFL_SIR_LRM_IB_20201014T171036_20201014T17132T_D001			·
CS_OFFL_SIR_LRM_18_20201014T171400_20201014T171438_D001  CS_OFFL_SIR_LRM_18_20201014T171732_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014T171732_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014T171732_D00104T171732_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014T17292_D00104T17290_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014T17292_D00104T17290_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014T17293_D00104T17290_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014T17293_D00104T17293_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014T17293_D00104T17293_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014T17293_D00104T17293_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014T18495_20201014T183543_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014T18495_20201014T185335_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014T18530_20201014T185335_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014T18530_20201014T185335_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014T18930_20201014T189348_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014T189333_20201014T201448_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014T189333_20201014T201448_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201014T20942_20201014T211392AD0			
CS_OFFL_SIR_LRM_IB_20201014T171932_0201014T17172B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201014T171730_20201014T17173D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201014T172002_20201014T17173D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201014T172002_20201014T1720D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201014T1720D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201014T1720D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201014T17480D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201014T17480D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201014T1800114_20201014T17833D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201014T1800114_20201014T18353D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201014T18530D_20201014T18533D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201014T18530D_20201014T18533D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201014T18574D_20201014T18533D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201014T19013D_20201014T19013D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201014T19013D_20201014T19013D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201014T19013D_20201014T20144B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201014T21904D_20201014T21913D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201014T21904D_202			
CS_OFFL_SIR_LRM_18_20201014T171730_20201014T171741_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T171921_20201014T171276_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T172002_20201014T172506_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T172002_20201014T172506_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T173034_20201014T175304_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T173034_20201014T175337_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T180045_20201014T175337_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T18416_20201014T18533_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T18500_20201014T18535_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T185700_20201014T18535_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T185700_20201014T18578_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T195702_20201014T185946_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T190130_20201014T190112_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T190333_20201014T201439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T201439_20201014T201439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T201439_20201014T201439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T201431_20201014T21330_D001 Loss of echo The tracking echo is missing for			
CS_OFFL_SIR_LRM_18_20201014T17921_20201014T17206_D001  Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T17205_20201014T17206_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T17206_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T173034_20201014T17200_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T173034_20201014T173034_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T174805_20201014T18353_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T180114_20201014T18353_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T180114_20201014T18353_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T18500_20201014T18535_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T185704_20201014T18578_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T19013_20201014T185745_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T19013_20201014T190412_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T19013_20201014T190324_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T1201453_20201014T201459_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T201453_20201014T201592_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T219042_20201014T21305_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20201014T213042_20201014T21335_D001 Loss of echo The tracking echo is missing for one or more records CS_			The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T172002_20201014T172116_D001			
CS_OFFL_SIR_LRM_1B_20201014T172205_20201014T172506_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T173034_20201014T173537_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T174805_20201014T175337_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T18405_20201014T1843534_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T18496_20201014T184335_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T18496_20201014T184335_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T185700_20201014T185335_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T185700_20201014T185738_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T195700_20201014T195946_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T190130_20201014T1901412_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T191303_20201014T1901412_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T191303_20201014T201448_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T201432_20201014T201448_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T201450_120201014T20159_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T201450_120201014T20159_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T211920_20201014T2113801_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T211404_20201014T2			
CS_OFFL_SIR_LRM_1B_20201014T172644_20201014T172700_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T174805_20201014T17333T_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T183543_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T184916_20201014T184930_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T185300_20201014T185335_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T185700_20201014T185738_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T185700_20201014T185738_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T185745_20201014T185738_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T190130_20201014T185946_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T190130_20201014T190142_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T193234_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T193233_20201014T201448_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T201453_20201014T201459_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T201452_20201014T201459_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T211302_20201014T201859_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T2121834_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T2121836_20201014T218301_D001  Loss of echo  The tracking echo is			The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20201014T173034_20201014T175337_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_20201014T1748014_20201014T183543_D001  CS_OFFL_SIR_LRM_18_20201014T184916_20201014T184930_D001  CS_OFFL_SIR_LRM_18_20201014T184916_20201014T184930_D001  CS_OFFL_SIR_LRM_18_20201014T185300_20201014T185355_D001  CS_OFFL_SIR_LRM_18_20201014T185700_20201014T185355_D001  CS_OFFL_SIR_LRM_18_20201014T185700_20201014T185396_D001  CS_OFFL_SIR_LRM_18_20201014T185745_20201014T185946_D001  CS_OFFL_SIR_LRM_18_20201014T190130_20201014T201449_D001  CS_OFFL_SIR_LRM_18_20201014T201453_20201014T201459_D001  CS_OFFL_SIR_LRM_18_20201014T201501_20201014T201529_D001  CS_OFFL_SIR_LRM_18_20201014T201501_20201014T201529_D001  CS_OFFL_SIR_LRM_18_20201014T219042_20201014T21139_D001  CS_OFFL_SIR_LRM_18_20201014T219042_20201014T21139_D001  CS_OFFL_SIR_LRM_18_20201014T212030_20201014T213255_D001  CS_OFFL_SIR_LRM_18_20201014T213417_20201014T21355_D001  CS_OFFL_SIR_LRM_18_20201014T213417_20201014T213500_D001  CS_OFFL_SIR_LRM_18_20201014T213417_20201014T213500_D001  CS_OFFL_SIR_LRM_18_20201014T213417_20201014T213500_D001  CS_OFFL_SIR_LRM_18_20201014T213417_20201014T215300_D001  CS_OFFL_SIR_LRM_18_20201014T215300_D001  CS_OFFL_SIR_LRM_18_20201014T215404_20201014T215400_D001  CS_OFFL_SIR_LRM_18_20201014T215404_20201014T215400_D001  CS_OFFL_SIR_LRM_18_20201014T215404_20201014T215400_D001  CS_OFFL_SIR_LRM_18_20201014T215404_20201014T215400_D001  CS_OFFL_SIR_LRM_18_20201014T215404_20201014T215500_D001  CS_OFFL_SIR_LRM_18_20201014T215404_20201014T215			
CS_OFFL_SIR_LRM_1B_20201014T180114_20201014T183543_D001  CS_OFFL_SIR_LRM_1B_20201014T184916_20201014T185305_D001  CS_OFFL_SIR_LRM_1B_20201014T185300_20201014T185335_D001  CS_OFFL_SIR_LRM_1B_20201014T185700_20201014T185738_D001  CS_OFFL_SIR_LRM_1B_20201014T185700_20201014T185738_D001  CS_OFFL_SIR_LRM_1B_20201014T185700_20201014T185738_D001  CS_OFFL_SIR_LRM_1B_20201014T190130_20201014T185946_D001  CS_OFFL_SIR_LRM_1B_20201014T190130_20201014T190412_D001  CS_OFFL_SIR_LRM_1B_20201014T190130_20201014T1903234_D001  CS_OFFL_SIR_LRM_1B_20201014T193933_20201014T201448_D001  CS_OFFL_SIR_LRM_1B_20201014T201453_20201014T201448_D001  CS_OFFL_SIR_LRM_1B_20201014T201453_20201014T201459_D001  CS_OFFL_SIR_LRM_1B_20201014T201501_20201014T201529_D001  CS_OFFL_SIR_LRM_1B_20201014T201942_20201014T201529_D001  CS_OFFL_SIR_LRM_1B_20201014T201942_20201014T21139_D001  CS_OFFL_SIR_LRM_1B_20201014T210942_20201014T21139_D001  CS_OFFL_SIR_LRM_1B_20201014T210942_20201014T21139_D001  CS_OFFL_SIR_LRM_1B_20201014T219042_20201014T21139_D001  CS_OFFL_SIR_LRM_1B_20201014T219042_20201014T21139_D001  CS_OFFL_SIR_LRM_1B_20201014T219042_20201014T21139_D001  CS_OFFL_SIR_LRM_1B_20201014T219042_20201014T21139_D001  CS_OFFL_SIR_LRM_1B_20201014T219042_20201014T21139_D001  CS_OFFL_SIR_LRM_1B_20201014T219042_20201014T213050_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T213417_20201014T21355_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T213417_20201014T213360_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215401_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215433_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			
CS_OFFL_SIR_LRM_1B_20201014T184916_20201014T184930_D001  CS_OFFL_SIR_LRM_1B_20201014T185300_20201014T185335_D001  CS_OFFL_SIR_LRM_1B_20201014T185700_20201014T185738_D001  CS_OFFL_SIR_LRM_1B_20201014T185700_20201014T185946_D001  CS_OFFL_SIR_LRM_1B_20201014T190130_20201014T190412_D001  CS_OFFL_SIR_LRM_1B_20201014T190130_20201014T190412_D001  CS_OFFL_SIR_LRM_1B_20201014T190130_20201014T190412_D001  CS_OFFL_SIR_LRM_1B_20201014T190130_20201014T190010  CS_OFFL_SIR_LRM_1B_20201014T190130_20201014T190010  CS_OFFL_SIR_LRM_1B_20201014T190130_20201014T201448_D001  CS_OFFL_SIR_LRM_1B_20201014T201453_20201014T201448_D001  CS_OFFL_SIR_LRM_1B_20201014T201453_20201014T201459_D001  CS_OFFL_SIR_LRM_1B_20201014T201450_20201014T201529_D001  CS_OFFL_SIR_LRM_1B_20201014T201420_20201014T201529_D001  CS_OFFL_SIR_LRM_1B_20201014T210942_20201014T21139_D001  CS_OFFL_SIR_LRM_1B_20201014T21920_20201014T212134D_D001  CS_OFFL_SIR_LRM_1B_20201014T219020_20201014T2121350_D001  CS_OFFL_SIR_LRM_1B_20201014T212836_20201014T213255_D001  CS_OFFL_SIR_LRM_1B_20201014T213147_20201014T215308_D001  CS_OFFL_SIR_LRM_1B_20201014T214043_20201014T215308_D001  CS_OFFL_SIR_LRM_1B_20201014T215310_20201014T215308_D001  CS_OFFL_SIR_LRM_1B_20201014T215310_20201014T215303_D001  CS_OFFL_SIR_LRM_1B_20201014T215350_20201014T215303_D001  CS_OFFL_SIR_LRM_1B_20201014T215350_20201014T215303_D001  CS_OFFL_SIR_LRM_1B_20201014T215350_20201014T215300_D001  CS_OFFL_SIR_LRM_1B_20201014T215300_20201014T215300_D001  CS_OFFL_SIR_LRM_1B_20201014T215300_20201014T215300_D001  CS_OFFL_SIR_LRM_1B_20201014T215300_20201014T215300_D001  CS_OFFL_SIR_LRM_1B_20201014T215300_D001014T215300_D001  CS_OFFL_SIR_LRM_1B_20201014T215300_D001014T215300_D001  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215430_D001  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215430_D001  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215430_D001  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215450_D001  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215520_D001  CS_OFFL_SIR_LRM_1B_20201014T215405_D001014T215520_D001  CS_OFFL			
CS_OFFL_SIR_LRM_1B_20201014T18530_20201014T18533_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T185745_20201014T185748_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T185745_20201014T185946_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T190130_20201014T190412_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T192726_20201014T193234_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T193933_20201014T201448_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T201453_20201014T201459_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T201501_20201014T201529_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T201942_20201014T201529_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T210942_20201014T211139_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T211920_20201014T212834_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T212836_20201014T213505_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T214043_20201014T215308_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215433_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215433_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215433_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_202010			
CS_OFFL_SIR_LRM_1B_20201014T185700_20201014T18578B_D001  CS_OFFL_SIR_LRM_1B_20201014T185745_20201014T190412_D001  CS_OFFL_SIR_LRM_1B_20201014T190130_20201014T190412_D001  CS_OFFL_SIR_LRM_1B_20201014T190130_20201014T193234_D001  CS_OFFL_SIR_LRM_1B_20201014T193933_20201014T201448_D001  CS_OFFL_SIR_LRM_1B_20201014T201453_20201014T201448_D001  CS_OFFL_SIR_LRM_1B_20201014T201453_20201014T201459_D001  CS_OFFL_SIR_LRM_1B_20201014T201453_20201014T201459_D001  CS_OFFL_SIR_LRM_1B_20201014T201501_20201014T201529_D001  CS_OFFL_SIR_LRM_1B_20201014T201501_20201014T201529_D001  CS_OFFL_SIR_LRM_1B_20201014T201942_20201014T201529_D001  CS_OFFL_SIR_LRM_1B_20201014T210942_20201014T211139_D001  CS_OFFL_SIR_LRM_1B_20201014T210942_20201014T21139_D001  CS_OFFL_SIR_LRM_1B_20201014T211920_20201014T212834_D001  CS_OFFL_SIR_LRM_1B_20201014T211326_20201014T212834_D001  CS_OFFL_SIR_LRM_1B_20201014T214717202_001014T212834_D001  CS_OFFL_SIR_LRM_1B_20201014T213417_20201014T213255_D001  CS_OFFL_SIR_LRM_1B_20201014T213417_20201014T21308_D001  CS_OFFL_SIR_LRM_1B_20201014T21310_20201014T215308_D001  CS_OFFL_SIR_LRM_1B_20201014T215310_20201014T215401_D001  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215433_D001  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215433_D001  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215433_D001  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215403_D001  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215403_D001  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215433_D001  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215403_D001  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T21550_D001  CS_OFFL_SIR_LRM_1B_20201014T215403_20201014T21550_D001  CS_OFFL_SIR_LRM_1B_20201014T215403_20201014T21550_D001  CS_OFFL_SIR_LRM_1B_20201014T215403_20201014T21550_D001  CS_OFFL_SIR_LRM_1B_20201014T215403_20201014T21550_D001  CS_OFFL_SIR_LRM_1B_20201014T215403_20201014T21550_D001  CS_OFFL_SIR_LRM_1B_20201014T215403_20201014T21550_D001  CS_OFFL_SIR_LRM_1B_20201014T215403_20201014T215520_D001  CS_OFFL_SIR_LRM_1B_20201014T215403_20201014T21550_D001  CS_O			
CS_OFFL_SIR_LRM_1B_20201014T185745_20201014T185946_D001  CS_OFFL_SIR_LRM_1B_20201014T190130_20201014T190412_D001  CS_OFFL_SIR_LRM_1B_20201014T190130_20201014T193234_D001  CS_OFFL_SIR_LRM_1B_20201014T19333_20201014T201448_D001  CS_OFFL_SIR_LRM_1B_20201014T201453_20201014T201448_D001  CS_OFFL_SIR_LRM_1B_20201014T201453_20201014T201459_D001  CS_OFFL_SIR_LRM_1B_20201014T201501_20201014T201502_D001  CS_OFFL_SIR_LRM_1B_20201014T201501_20201014T201529_D001  CS_OFFL_SIR_LRM_1B_20201014T201501_20201014T21139_D001  CS_OFFL_SIR_LRM_1B_20201014T210942_20201014T211139_D001  CS_OFFL_SIR_LRM_1B_20201014T211920_20201014T212834_D001  CS_OFFL_SIR_LRM_1B_20201014T212836_20201014T213255_D001  CS_OFFL_SIR_LRM_1B_20201014T213417_20201014T213301_D001  CS_OFFL_SIR_LRM_1B_20201014T213403_20201014T215308_D001  CS_OFFL_SIR_LRM_1B_20201014T215310_20201014T215401_D001  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215433_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			
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CS_OFFL_SIR_LRM_1B_20201014T193933_20201014T201448_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T201501_20201014T201529_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T201501_20201014T201529_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T210942_20201014T211139_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T211920_20201014T212834_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T212836_20201014T213255_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T213417_20201014T213601_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T214043_20201014T215308_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215431_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_20201014T215404_20201014T215433_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_20201014T215404_20201014T215433_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_20201014T190130_20201014T190412_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20201014T201501_20201014T201529_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T211920_20201014T21139_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T211920_20201014T212834_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T213836_20201014T213255_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T213417_20201014T213601_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T214043_20201014T215308_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T215310_20201014T215401_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215433_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_20201014T215404_20201014T215433_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_20201014T215405_20201014T215520_D001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20201014T193933_20201014T201448_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T210942_20201014T211139_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T211920_20201014T212834_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T212836_20201014T213255_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T213417_20201014T213601_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T214043_20201014T215308_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T215310_20201014T215401_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215433_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_20201014T215404_20201014T215433_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20201014T201453_20201014T201459_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T211920_20201014T212834_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T212836_20201014T213255_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T213417_20201014T213601_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T214043_20201014T215308_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T215310_20201014T215401_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215433_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_20201014T215404_20201014T215433_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20201014T201501_20201014T201529_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T212836_20201014T213255_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T213417_20201014T213601_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T214043_20201014T215308_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T215310_20201014T215401_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215433_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_20201014T210942_20201014T211139_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20201014T215310_20201014T215401_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215433_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T215435_20201014T215520_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_20201014T213417_20201014T213601_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215433_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201014T215435_20201014T215520_D001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20201014T214043_20201014T215308_D001	Loss of echo	The tracking echo is missing for one or more records
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	CS_OFFL_SIR_LRM_1B_20201014T215404_20201014T215433_D001		The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T222658_20201014T224102_D001 Loss of echo The tracking echo is missing for one or more records			
	CS_OFFL_SIR_LRM_1B_20201014T222658_20201014T224102_D001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20201014T224848_20201014T225050_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T225822_20201014T231256_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T231511_20201014T231955_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T232001_20201014T232435_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T232712_20201014T233019_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T233022_20201014T233237_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T233240_20201014T233507_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201014T234510_20201015T000338_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.

0

Number of products with errors:

#### 4.6 L1B Auxilary Data File Usage Check

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

Number of products with errors:

#### 4.7 L1B Auxiliary Correction Error Check

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

Number of products with errors:

## 4.8 L1B Measurement Confidence Data Check

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

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

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

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

Number of products with errors:

### 5. Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

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

Number of products with errors:

#### 5.2 L2 Product Header Analysis

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

Number of products with errors:

### 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: 67

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220201013T234921_20201014T000304_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_220201014T000444_20201014T001059_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_220201014T003809_20201014T004014_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_220201014T004136_20201014T004441_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_220201014T004458_20201014T004846_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_220201014T005009_20201014T005634_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_220201014T005636_20201014T011250_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_220201014T012905_20201014T015004_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_220201014T020300_20201014T020353_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_220201014T022715_20201014T025219_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_220201014T030825_20201014T033440_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_220201014T040042_20201014T040322_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_220201014T040447_20201014T043003_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_220201014T044734_20201014T050518_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_220201014T051012_20201014T051121_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_220201014T051124_20201014T051204_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220201014T051343_20201014T051455_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220201014T052314_20201014T052451_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_220201014T053641_20201014T060945_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_220201014T063853_20201014T064108_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_220201014T065013_20201014T065256_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_220201014T065957_20201014T070409_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_220201014T071413_20201014T072528_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_220201014T072814_20201014T074925_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_220201014T080713_20201014T081646_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_220201014T081834_20201014T082552_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_220201014T082647_20201014T083108_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_220201014T084022_20201014T084057_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_220201014T085259_20201014T090232_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_220201014T090237_20201014T091910_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_220201014T091912_20201014T092825_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_220201014T094725_20201014T095955_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_220201014T100016_20201014T101742_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_220201014T103221_20201014T103330_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220201014T103447_20201014T103754_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_220201014T103907_20201014T105048_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_220201014T105252_20201014T110729_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_220201014T112431_20201014T113239_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_220201014T115152_20201014T115739_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_220201014T121018_20201014T122402_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220201014T123217_20201014T124607_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_220201014T130232_20201014T133654_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_220201014T134906_20201014T135646_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220201014T140241_20201014T142339_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_220201014T144107_20201014T150734_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_220201014T153827_20201014T160432_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_220201014T162128_20201014T165439_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_220201014T170620_20201014T170900_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_220201014T172002_20201014T172116_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20201014T180114_20201014T183543_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_220201014T190605_20201014T192204_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_20201014T193933_20201014T201448_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_220201014T202518_20201014T202659_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_2_20201014T203715_20201014T204147_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_220201014T204231_20201014T210008_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20201014T211920_20201014T212834_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_20201014T212836_20201014T213255_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_220201014T213417_20201014T213601_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_220201014T214043_20201014T215308_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_220201014T215404_20201014T215433_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220201014T220730_20201014T222522_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_220201014T222658_20201014T224102_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_220201014T225822_20201014T231256_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_220201014T231511_20201014T231955_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_220201014T232001_20201014T232435_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_220201014T232712_20201014T233019_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220201014T234510_20201015T000338_D001		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

# 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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_LRM_1B	172	172	172	0	0
SIR_SAR_1B	110	110	110	0	0
SIR_SIN_1B	105	105	105	0	0
SIR_LRM_2	168	168	159	9	0
SIR_SAR_2	103	110	110	0	0
SIR_SIN_2	110	103	101	2	0
SIR_GDR_2	15	15	0	0	15

### 6.1 QCC Errors

Number of products with QCC errors:

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

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

### 6.2 QCC Warnings

Number of QCC reports with warnings

Total Halling							
Product Type	AXDME	AXSMMEOCI	•	-	-	•	•
SIR_LRM_2_	0	9					
SIR SIN 2	2	0					

Test Description Key:							
Abbreviation	Test name	Details					
AXDME	AttributeXrefDemMustExist	The xref_dem attribute is mandatory in SIN products over continental ice					
AXSMMEOCI	AttributeXrefSlopeModelMustExistOverContinentalIce	The xref_slope_model is mandatory in LRM products over continental ice					

## 6.2 Missing QCC Reports

Number of products with missing QCC reports:

Product name
CS\_OFFL\_SIR\_GDR\_2\_20201014T231513\_20201015T005428\_D002