

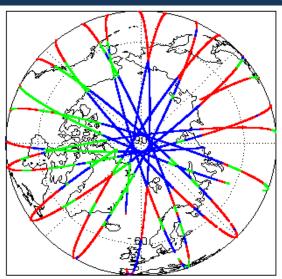
# 1. Overview

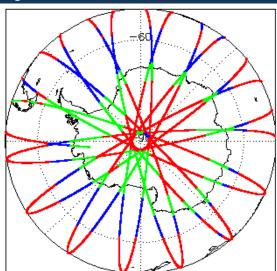
Report Production Date:	10-Dec-2020  CryoSat Ice Processor	
Processor Used:		
Data Used:	L1B and L2 OFFLINE Data	

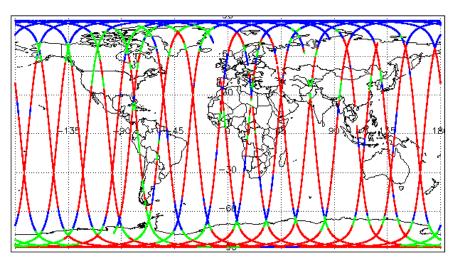
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

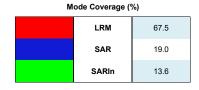
Mission / Instrument News					
10-Nov-2020	None				
11-Nov-2020	None				
12-Nov-2020	Nothing planned				

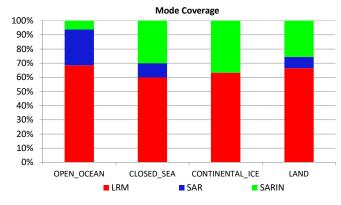
# 2. Global Coverage

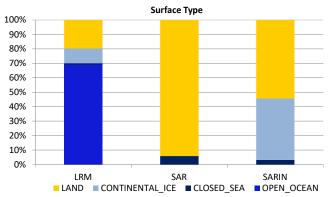












### 3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

# 4. Level 1B Data Quality Check

### 4.1 L1B Product Format Check

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

Number of products with errors:

### 4.2 L1B Product Header Analysis

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

Number of products with errors:

0

#### 4.3 Star Tracker Usage Check

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

Number of products with errors:

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.

umber of products with errors: 15

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_202011111T001256_202011111T002013_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202011111T002026_20201111T002419_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T002422_20201111T004625_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202011111T005254_20201111T005817_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T010236_20201111T012450_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T012454_20201111T012608_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T012834_20201111T012846_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T012948_20201111T013535_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T013558_20201111T013648_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T015734_20201111T015736_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T015739_20201111T015755_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T015759_20201111T015801_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202011111T015804_20201111T015807_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202011111T015809_20201111T015820_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202011111T015822_20201111T015917_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T015919_20201111T022440_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T024140_20201111T030033_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T030035_20201111T030921_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T030923_20201111T030929_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T030933_20201111T031206_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T031239_20201111T031455_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T031602_20201111T031829_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T042748_20201111T043708_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T043738_20201111T044238_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T044421_20201111T044511_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T044840_20201111T045000_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T045012_20201111T045043_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T045043_20201111T045137_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T045432_20201111T045443_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T051036_20201111T052049_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T062057_20201111T062558_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T062610_20201111T062802_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T064706_20201111T072229_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202011111T073056_20201111T073449_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202011111T082542_20201111T082803_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202011111T082807_20201111T082812_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202011111T082815_20201111T084014_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202011111T084456_20201111T084614_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202011111T084617_20201111T084730_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202011111T084845_20201111T090217_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202011111T092000_20201111T093316_D001	Loss of echo	The tracking echo is missing for one or more records

Comparison   Com	CS_OFFL_SIR_LRM_1B_20201111T093530_20201111T095206_D001	Loss of echo	The tracking echo is missing for one or more records
Company   Comp			
C.   Per 1961   1.00			·
Company   Comp			
Company   1,000   1,			·
Description			
Dec. of L. SEL, LOND, T. J. SEL, LOND,			
Co. OH. D. R. LUM 19. 2001111110012 DOI: 10.00			
Company   Comp			·
Company   Comp			
Co. CH. Sell. L. M. J. 2001111111062 (201111111052). 20011			
Co., OFE, SEL, M. H. P., 20011111111122, 2001111111232, 200111111332, 200111111332, 200111111332, 200111111332, 200111111332, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 200111111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 20011111333, 200111113333, 20011113334, 2001111113333, 200111113334, 2001111113333, 20011113334, 2001111113333, 20011113334, 2001111113333, 20011113334, 2001111113333, 20011113334, 200111113334, 2001111113333, 20011113334, 2001111113333, 20011113334, 2001111113333, 20011113334, 200111113333, 20011113334, 200111113333, 20011113334, 200111113333, 20011113334, 200111113333, 20011113334, 200111113333, 20011113334, 200111113333, 20011113334, 200111113333, 20011113334, 200111113333, 20011113334, 200111113333, 20011113334, 200111113333, 20011113334, 200111113333, 20011113334, 200111113333, 20011113334, 200111113333, 200111113334, 200111113333, 200111113333, 20011113334, 200111113334, 200111113334, 200111113334, 200111113334,			
Les of show OFFL. BRILLAN IS 2001111111002, 2001111111020, 2001111111020, 2001111111020, 2001111111020, 20011111020, 20011111020, 200111111020, 200111111020, 200111111020, 20011111020, 20011111020, 20011111020, 2			
Co. PT., SR., I.M.   C. 2001111111052_2021111111052_0001			
Co. OFT. SR. LAM 18 200111111114502 00011111114502 00011111114502 00011111114502 00011111114502 00011111114502 00011111114502 00011111114502 00011111114502 00011111114502 0001111115002 0001111115002 0001111115002 0001111115002 0001111115002 0001111115002 0001111115002 0001111115002 0001111115002 0001111115002 0001111115002 0001111115002 000111115002 000111115002 0001111115002 0001111115002 0001111115002 0001111115002 0001111115002 000111115002 000111115002 000111115002 0001111115002 0001111115002 0001111			
CS_OFF_SR_URM_IR_20201111111402_2001111111402_001  Loss of leabe  OR_FINE_RIL_MIL_IR_20201111111402_2001111111403_0001  Loss of leabe  The tabeling exh or in missing for one or more records  CS_OFF_SR_URM_IR_20201111111403_2001111111500_000  Loss of leabe  The tabeling exh or in missing for one or more records  CS_OFF_SR_URM_IR_20201111111500_2001111111500_000  Loss of leabe  The tabeling exh or in missing for one or more records  CS_OFF_SR_URM_IR_20201111111500_2001111111500_000  Loss of leabe  The tabeling exh or in missing for one or more records  CS_OFF_SR_URM_IR_20201111111500_2001111111500_000  Loss of leabe  The tabeling exh or in missing for one or more records  CS_OFF_SR_URM_IR_20201111111500_2001111111500_000  Loss of leabe  The tabeling exh or in missing for one or more records  CS_OFF_SR_URM_IR_20201111111500_200111111500_000  Loss of leabe  The tabeling exh or in insing for one or more records  CS_OFF_SR_URM_IR_2020111111500_200111111500_000  Loss of leabe  The tabeling exh or in insing for one or more records  CS_OFF_SR_URM_IR_2020111111500_200111111500_000  Loss of leabe  The tabeling exh or in insing for one or more records  CS_OFF_SR_URM_IR_2020111111500_200111111500_000  Loss of leabe  The tabeling exh or in insing for one or more records  CS_OFF_SR_URM_IR_2020111111500_0001  Loss of leabe  The tabeling exh or in insing for one or more records  CS_OFF_SR_URM_IR_2020111111500_0001  Loss of leabe  The tabeling exh or in insing for one or more records  CS_OFF_SR_URM_IR_20201111115000_0001  Loss of leabe  The tabeling exh or in insing for one or more records  The tabeling exh or in insing for one or more records  CS_OFF_SR_URM_IR_2020111115000_0001  Loss of leabe  The tabeling exh or in insing for one or more records  The tabeling exh or in insing for one or more records  The tabeling exh or in insing for one or more records  The tabeling exh or insing for one or more records  The tabeling exh or insing for one or more records  The tabeling exh or insing for one or more records  The tabeling exh o			
CS_CPF_SRILEM_18_20201111111642_2020111111500_D001 CS_CPF_SRILEM_18_2020111111640_2020111111500_D001 CS_CPF_SRILEM_18_2020111111640_2020111111500_D001 CS_CPF_SRILEM_18_2020111111640_2020111111500_D001 CS_CPF_SRILEM_18_2020111111640_2020111111500_D001 CS_CPF_SRILEM_18_2020111111640_2020111111640_D001 CS_CPF_SRILEM_18_2020111111640_2020111111640_D001 CS_CPF_SRILEM_18_2020111111640_2020111111640_D001 CS_CPF_SRILEM_18_2020111111640_2020111111640_D001 CS_CPF_SRILEM_18_2020111111640_2020111111640_D001 CS_CPF_SRILEM_18_2020111111640_20201111116560_D001 CS_CPF_SRILEM_18_2020111111650_2020111111650_D001 CS_CPF_SRILEM_18_2020111111650_D001 CS_CPF_SRILEM_18_2020111111550_D001 CS_CPF_SRILEM_18_202011111550_D001 CS_CPF_SRILEM_18_2020111111550_D001 CS_CPF_SRILEM_18_2020111111550_D001 CS_CPF_SRILEM_18_2020111111550_D001 CS_CPF_SRILEM_18_2020111111550_D001 CS_CPF_SRILEM_18_2020111111550_D001 CS_CPF_SRILEM_18_2020111111550_D001 CS_CPF_SRILEM_18_2020111111550_D001 CS_CPF_SRILEM_18_202011111550_D001 CS_CPF_SRILEM_18_202011111550_D001 CS_CPF_SRILEM_18_202011111550_D001 CS_CPF_SRILEM_18_202011111550_D001 CS_CPF_SRILEM_18_202011111550_D001 CS_CPF_SRI			·
CS_OFF_SR_UM_18_2021111719494_2021111719592_0001 Los of eight  GS_OFF_SR_UM_18_2021111719592_2021111719592_0001 Los of eight  GS_OFF_SR_UM_18_202111719593_202111719592_0001 Los of eight  GS_OFF_SR_UM_18_202111719593_202111719593_0001 Los of eight  GS_OFF_SR_UM_18_202111719200_20211719593_0001 Los of eight  GS_OFF_SR_UM_18_202111719200_20211719200_0001 Los of eight  GS_OFF_SR_UM_18_2020111719200_202011719200_0001 Los of eight  GS_OFF_SR_UM_18_2020111719200_20201171719000_0001 Los of eight  GS_OFF_SR_UM_18_2020111719200_20201171719000_0001 Los of eight  GS_OFF_SR_UM_18_20201117192000_20201171719000_0001 Los of eight  GS_OFF_SR_UM_18_20201117192000_20201171719000_0001 Los of eight  GS_OFF_SR_UM_18_20201117192000_20201171719000_0001 Los of eight  GS_OFF_SR_UM_18_20201171719000_20201171719000_0001 Los of eight  GS_OFF_SR_UM_18_202011171719000_20201171719000_0001 Los of eight  GS_OFF_SR_UM_18_20201171719000_20201171719000_0001 Los of eight  GS_OFF_SR_UM_18_20			
See OPE, Siel Law, M. 9. 20011111115001, 2001111115001, 2001111115001, 2001111115001, 2001111115001, 2001111115001, 2001111115001, 2001111115001, 200111115001, 200111115001, 200111115001, 200111115001, 200111115001, 200111115001, 200111115001, 200111115001, 200111115001, 200111115001, 200111115001, 200111115001, 20011115001, 200111115001, 200111115001, 200111115001, 200111115001, 200111115001, 200111115001, 20011115001, 200111115001, 20011115001, 20011115001, 20011115001, 20011115001, 20011115001, 20011115001, 20011115001, 20011115001, 20011115001, 20011115001, 2001115001, 20011115001, 20011115001, 20011115001, 2001115001, 2001115001, 20011, 2001115001, 2001115001, 2001115001, 2001115001, 2001115001, 2001115001, 2001115001, 2001115001, 2001115001, 2001115001, 2001115001, 20011, 200111500			·
CS. OFFL, SRL, LPM, 18, 200011111110902, 200011111110900, 20001  CS. OFFL, SRL, LPM, 18, 200011111110900, 200011111110900, 20001  CS. OFFL, SRL, LPM, 18, 200011111110900, 200011111110900, 20001  CS. OFFL, SRL, LPM, 18, 200011111110900, 200011111109000, 20001  CS. OFFL, SRL, LPM, 18, 2000111111109000, 20001  CS. OFFL, SRL, LPM, 18, 2000111111109000, 20001  CS. OFFL, SRL, LPM, 18, 2000111111109000, 20001  CS. OFFL, SRL, LPM, 19, 200011111109000, 20001  CS. OFFL, SRL, LPM, 19, 200011111109000, 20001  CS. OFFL, SRL, LPM, 19, 20001111109000, 200011111109000, 20001  CS. OFFL, SRL, LPM, 19, 20001111109000, 20001111109000, 20001  CS. OFFL, SRL, LPM, 19, 20001111109000, 200011111109000, 20001  CS. OFFL, SRL, LPM, 19, 20001111109000, 20001111109000, 20001  CS. OFFL, SRL, LPM, 19, 20001111109000, 20001111109000, 20001  CS. OFFL, SRL, LPM, 19, 20001111109000, 2000111109000, 20001  CS. OFFL, SRL, LPM, 19, 20001111109000, 200011109000, 20001  CS. OFFL, SRL, LPM, 19, 20001111109000, 20001  CS. OFFL, SRL, LPM, 19, 200			·
CS_OFFL_SRL_INU_18_200011117119024_20001111711904_20001 Loss of scho  The tracking coto is missing for one or more records  CS_OFFL_SRL_INU_18_20001111719042_20001117119050_10001 Loss of scho  The tracking coto is missing for one or more records  CS_OFFL_SRL_INU_18_20001117119062_20001117119050_10001 Loss of scho  The tracking coto is missing for one or more records  CS_OFFL_SRL_INU_18_20001117119062_20001117119050_10001 Loss of scho  The tracking coto is missing for one or more records  CS_OFFL_SRL_INU_18_20001117112062_20001117113000_1001 Loss of scho  CS_OFFL_SRL_INU_18_20001117112062_20001117113000_1001 Loss of scho  CS_OFFL_SRL_INU_18_20001117112062_20001117113000_1001 Loss of scho  CS_OFFL_SRL_INU_18_20001117112062_20001117113000_1001 Loss of scho  CS_OFFL_SRL_INU_18_20001117113000_2001 Loss of scho  CS_OFFL_SRL_INU_18_20001117113000_2001 Loss of scho  CS_OFFL_SRL_INU_18_20001117113000_2001 Loss of scho  CS_OFFL_SRL_INU_18_2000111713000_2001 Loss of scho  CS_OFFL_SRL_INU_18_2000111713000_2001 Loss of scho  CS_OFFL_SRL_INU_18_2000111713000_2001 Loss of scho  The tracking coto is missing for one or more records  CS_OFFL_SRL_INU_18_2000111713000_2001 Loss of scho  The tracking coto is missing for one or more records  CS_OFFL_SRL_INU_18_2000111713000_2001 Loss of scho  The tracking coto is missing for one or more records  CS_OFFL_SRL_INU_18_2000111713000_2001 Loss of scho  The tracking coto is missing for one or more records  CS_OFFL_SRL_INU_18_2000111716000_2000111715000_2001 Loss of scho  The tracking coto is missing for one or more records  CS_OFFL_SRL_INU_18_2000111716000_2000111715000_2001 Loss of scho  The tracking coto is missing for one or more records  CS_OFFL_SRL_INU_18_2000111716000_2000111715000_2001 Loss of scho  The tracking coto is missing for one or more records  CS_OFFL_SRL_INU_18_2000111716000_2000111715000_2001 Loss of scho  The tracking coto is missing for one or more records  CS_OFFL_SRL_INU_18_2000111716000_2000111715000_2001 Loss of scho  The tracking coto is missing for one or more rec			
CS_OFFL_SR_LRN_18_20001111716042_2001111716040_0011  CS_OFFL_SR_LRN_18_2000111716042_2001111716040_0011  CS_OFFL_SR_LRN_18_2000111716040_2001117116050_0011  CS_OFFL_SR_LRN_18_2000111716050_2001117116050_0011  CS_OFFL_SR_LRN_18_2000111716050_2001117116050_0011  CS_OFFL_SR_LRN_18_20001171716050_2001117116050_0011  CS_OFFL_SR_LRN_18_20001171716050_2001171716050_0011  CS_OFFL_SR_LRN_18_20001171716050_0011  CS_OFFL_SR_LRN_18_20001171716050_0011716050_0011  CS_OFFL_SR_LRN_18_20001171716050_0011716050_0011  CS_OFFL_SR_LRN_18_20001171716050_0011716050_0011  CS_OFFL_SR_LRN_18_20001171716050_0011716050_0011  CS_OFFL_SR_LRN_18_20001171716050_0011  CS_OFFL_SR_LRN_18_20001171716050_0011716050_0011  CS_OFFL_SR_LRN_18_20001171			
CS_OFF_SR_LRM_18_20201111711509_2020111711509_DOIL  CS_OFF_SR_LRM_18_2020111711509_2020111711509_DOIL  CS_OFF_SR_LRM_18_2020111711509_2020111711509_DOIL  CS_OFF_SR_LRM_18_2020111711509_2020111711509_DOIL  CS_OFF_SR_LRM_18_2020111711509_2020111711509_DOIL  CS_OFF_SR_LRM_18_2020111711509_2020111711509_DOIL  CS_OFF_SR_LRM_18_2020111711509_202011171309_DOIL  CS_OFF_SR_LRM_18_2020111711509_202011171309_DOIL  CS_OFF_SR_LRM_18_2020111711309_20201001  CS_OFF_SR_LRM_18_2020111711309_2020101171309_DOIL  CS_OFF_SR_LRM_18_2020117171309_2020101171309_DOIL  CS_OFF_SR_LRM_18_2020117171309_2020101171309_DOIL  CS_OFF_SR_LRM_18_2020117171309_2020101171309_DOIL  CS_OFF_SR_LRM_18_2020117171309_2020117171309_DOIL  CS_OFF_SR_LRM_18_2020117171309_2020117171309_DOIL  CS_OFF_SR_LRM_18_2020117171309_2020117171309_DOIL  CS_OFF_SR_LRM_18_2020117171309_2020117171309_DOIL  CS_OFF_SR_LRM_18_2020117171309_2020117171309_DOIL  CS_OFF_SR_LRM_18_2020117171309_202011771309_DOIL  CS_OFF_SR_LRM_18_20201177171309_202011771309_DOIL  CS_OFF_SR_LRM_18_20201177171309_202011771309_DOIL  CS_OFF_SR_LRM_18_20201177171309_202011771309_DOIL  CS_OFF_SR_LRM_18_20201177171309_20011771309_DOIL  CS_OFF_SR_LRM_18_20201177171309_20011771309_DOIL  CS_OFF_SR_LRM_18_20201177171309_20011771509_DOIL  CS_OFF_SR_LRM_18_20201177171309_2001_DOIL  CS_OFF_SR_LRM_18_20201177171309_2001_DOIL  CS_OFF_SR_LRM_18_20201177171309_2001_DOIL  CS_OFF_SR_LRM_18_20201177171309_2001_DOIL  CS_OFF_SR_LRM_18_20201177171309_2001_DOIL  CS_OFF_SR_LRM_18_20201177717309_2001_DOIL  CS_OFF_SR_LRM_18_20201177717309_2001_DOIL  CS_OFF_SR_LRM_18_202011777309_200117717309_2001_DOIL  CS_OFF_SR_LRM_18_202011777309_20011777309_2001_DOIL  CS_OFF_SR_LRM_18_202011777309_20011777309_2001_DOIL  CS_OFF_SR_LRM_18_202011777309_20011777309_2001_DOIL  CS_OFF_SR_LRM_18_202011777309_20011777309_2001_DOIL  CS_OFF_SR_LRM_18_202011777309_20011777309_2001_DOIL  CS_OFF_SR_LRM_18_202011777309_20011777309_2001_DOIL  CS_OFF_SR_LRM_18_202011777309_20011777309_2001_DOIL  CS_OFF_SR_LRM_18_2020117777309_20011777309_2001_DOIL  CS_OFF			·
CS_OFF_SR_LRM_19_202011117115608_202011117115608_202011117150815_20201117150815_20201117150815_20201117150815_202011750815_202011750815_202011750815_202011750815_202011750815_20201175081508_202011750815_20201175081_202011750815_202011750815_202011750815_202011750815_20201175081_202			
CS_OFF_SR_LRM_18_202011117119565_202011117119001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_20201111712007_202011117120002_0001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202011117120002_0001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202011117120002_0001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202011117120002_0001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202011171730002_0001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202011171730002_0001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202011171730002_0001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202011171730002_0001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202011171730002_0001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202011171750002_0001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202011171750002_0001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202011171750002_0001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202011171750002_0001 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202011171750002_00011 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202011171750002_00011 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202011171750002_00011 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202011171750002_00011 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202011171750002_00011 Loss of scho The tracking act to a missing for one or more records CS_OFF_SR_LRM_18_202			
CS_OFF_L_SR_LRM_IB_2020111711504_202011171507_0001  CS_OFF_LSR_LRM_IB_2020111715074_202011171507_0001  CS_OFF_LSR_LRM_IB_2020111715074_202011171507_0001  CS_OFF_LSR_LRM_IB_2020111715050_202020111715002_0001  CS_OFF_LSR_LRM_IB_2020111715050_2020111715003_00001  CS_OFF_LSR_LRM_IB_2020111715050_2020111715003_00001  CS_OFF_LSR_LRM_IB_2020111715050_2020111715050_00000000000000000000000000000			
CS_OFF_SIR_LRM_18_202011171504_2027_2020111715052_D001  CS_OFF_SIR_LRM_18_2020111715050_2020111715050_D001  CS_OFF_SIR_LRM_18_202011171506_202011171500_D001  CS_OFF_SIR_LRM_18_202011171506_202011171500_D001  CS_OFF_SIR_LRM_18_202011171506_202011171500_D001  CS_OFF_SIR_LRM_18_202011171506_202011171500_D001  CS_OFF_SIR_LRM_18_202011171506_202011171500_D001  CS_OFF_SIR_LRM_18_2020111717506_2020117171500_D001  CS_OFF_SIR_LRM_18_2020111717506_2020117171500_D001  CS_OFF_SIR_LRM_18_2020111717506_2020117171500_D001  CS_OFF_SIR_LRM_18_20201117171506_2020117171500_D001  CS_OFF_SIR_LRM_18_20201117171506_2020117171500_D001  CS_OFF_SIR_LRM_18_20201117171506_2020117171500_D001  CS_OFF_SIR_LRM_18_20201117171506_2020117171500_D001  CS_OFF_SIR_LRM_18_20201117171506_2020117171500_D001  CS_OFF_SIR_LRM_18_20201117171506_2020117171600_D001  CS_OFF_SIR_LRM_18_20201117171606_2020117171600_D001  CS_OFF_SIR_LRM_18			
CS_OFFL_SIR_LRM_18_20201111712927_20201111712930_20001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201111712930_20201111713930_20001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201111713930_20201111713930_20001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_20201111713930_2020111713930_20001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111713930_20001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111713936_2020111714702_2001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111715936_2020111715935_2001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111715947_2020111715945_2001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111715947_2020111715940_2001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111715947_2020111715940_2001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111715947_20201117115940_20001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111715940_20201117115940_20001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111715940_2020111715940_20001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111715940_2020111715940_20001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111715940_2020111715940_20001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111715940_202011171194940_20001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_18_202011171194940_20001  Loss of exho  The tracking exho is missing for one or more r			·
CS_OFFL_SIR_LEM_18_200011117105032_20001111713090_D001			
CS_OFFL_SIR_LRM_18_20201111713003_2020111713000_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202011171132082_20201117133050_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202011171140727_202011171441030_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202011171140727_20201117144072_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202011171150033_20201117150032_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201117150033_20201171750032_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201117150032_20201171751042_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202011171510032_20201171751042_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201117151003_20201117151042_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201117151003_20201117151040_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201117151040_202011171510000  CS_OFFL_SIR_LRM_18_20201117151040_20201117151040_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201117151040_20201117155103_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202011171151040_20201117155103_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201117176401_20201117154080_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201117176401_20201117176408_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201117176401_20201117176408_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201117176401_202			
CS_OFFL_SIR_LRM_IB_202011117133459_20201117133644_D001  CS_OFFL_SIR_LRM_IB_202011117134592_20201117133644_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111714053_2020111714072_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117150038_20201117150735_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117150038_202011117150735_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117150038_202011117150735_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117151068_202011117151064_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117151068_202011117151062_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117151068_202011117151062_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117151062_202011117151062_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020111171511062_202011117151062_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_2020111171511632_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117164569_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117164569_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117164569_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117164569_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117164569_D001  Loss of exho  The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117164569_D001  Loss of exho  The tracking exho is missing for o			
CS_OFFL_SIR_LRM_IB_202011117140727_20201117141053_D001  Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117140727_2020111714073_D001  Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117150982_20201111715093_D001  Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117150982_20201111715093_D001  Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117150982_202011117151004_D001  Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117150947_202011117151004_D001  Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117151004_202011117151004_D001  Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117151004_20201111715103_D001  Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111715105_20201111715103_D001  Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111715105_20201111715103_D001  Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111715105_2020111171503_D001  Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_202011117154159_202011117154059_D001  Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111716405_20201111716405_D001  Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111716405_20201111716405_D001  Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111716405_20201111716405_D001  Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111716405_20201111716405_D001  Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111716405_D001  Loss of exho The tracking exho is missing f			
CS_OFFL_SIR_LRM_18_20201111714457_20201111714457_0001			
CS_OFFL_SIR_LRM_18_20201111T150388_20201111T15032_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201111T150388_20201111T150382_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20201111T150382_2020111T15032_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111T151048_2020111T151046_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111T151048_2020111T151046_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111T151048_2020111T15103_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111T151049_2020111T15103_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111T151049_2020111T15103_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111T151382_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111T151382_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111T151382_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111T164592_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111T164592_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111T164592_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111T164593_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111T17629_D020111T164901_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111T17639_D020111T17639_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2020111T17639_D020111T176450_D001 Loss of echo The tracking echo is missing f			
CS_OFFL_SIR_LRM_1B_20201111T15036_2020111T15073_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_2020111T15108_2020111T15104_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_2020111T15108_2020111T15104_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_2020111T15108_2020111T151062_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_2020111T151042_2020111T15103_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_2020111T151054_2020111T15103_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_2020111T151054_2020111T151032_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_2020111T1510532_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_2020111T1510532_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_2020111T154053_2020111T154390_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_2020111T1154050_2020111T154390_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_2020111T1164560_2020111T164360_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_2020111T1164560_2020111T164364_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_2020111T1165531_2020111T164364_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_2020111T1165531_2020111T164364_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_2020111T176747_2020111T1764364_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_2020111T176747_2020111T17164364_D001  Loss of echo The tracking echo is missing for one or more records			
CS_OFFL_SIR_LRM_1B_202011117150808_202011117150932_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111715108_20201111751040_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_202011117151040_20201111751040_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_202011117151054_20201111751030_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_202011117151054_20201111751030_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_202011117151176_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111715176_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_202011117154159_202011117153046_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_202011117164159_202011117154690_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_202011117164590_202011117164950_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_202011117164950_202011117164950_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_202011117164950_202011117164950_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_202011117164951_202011117164950_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_202011117164951_20001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_202011117170510_00101  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_202011117170520_00101  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111718304_202011117180928_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_202			
CS_OFFL_SIR_LRM_IB_20201111T151004_Z0201111T151004_D001  CS_OFFL_SIR_LRM_IB_20201111T151004_Z0201111T151004_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T151054_Z0201111T15103_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T151054_Z0201111T15103_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T151052_20201111T15103_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T151052_2020111T151803_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T154152_2020111T154052_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T164052_D0011  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T164052_D0011  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T164054_D0011  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T164055_D0011  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T166058_20201111T164054_D0011  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T166058_20201111T170215_D0011  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T170214_20201111T170215_D0011  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T170214_20201111T170215_D0011  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T170214_20201111T180928_D0011  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T180928_20201111T180928_D0011  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T180932_20201111T1946			•
CS_OFFL_SIR_LRM_IB_20201111T151008_20201111T151046_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201111T151048_20201111T151048_2020111T15103_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20201111T15105_20201111T15105_20201115105_20201115105_2			
CS_OFFL_SIR_LRM_1B_20201111T151048_20201111T15105_D001			The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T15105_20201111T15103_D001			
CS_OFFL_SIR_LRM_1B_20201111T151716_2020111T151716_20011  Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201111T151836_2020111T153048_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201111T15495_20201111T154959_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201111T164951_20201111T164955_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201111T164951_20201111T164955_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201111T164951_20201111T164954_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201111T165713_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201111T165713_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201111T165713_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201111T165713_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201111T176574_20201111T176088_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201111T176747_20201111T180928_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201111T183015_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201111T183015_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201111T184354_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201111T194338_20201111T194482_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201111T194442_D0011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20201111T194442_D0011 Loss of echo The tracking echo is missing for one or more r			
CS_OFFL_SIR_LRM_1B_20201111T151836_20201111T153046_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T154159_20201111T154359_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T16425_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T164364_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T16456_20201111T164954_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T164956_20201111T164954_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T16553_20201111T165713_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T16553_20201111T16573_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T16593_20201111T16098_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T170219_20201111T180928_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T18236_20201111T180928_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T18236_20201111T183546_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T19430_20201111T194363_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T19438_20001111T194642_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194642_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194642_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T19479_20201111T19477_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T1947			The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20201111T161836_20201111T164959_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T164201_20201111T16495_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T16495_20201111T16495_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T166531_20201111T16495_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T165531_20201111T165713_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T176553_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T170219_20201111T17606_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T170219_20201111T17606_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T17747_20201111T180928_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T183036_20201111T180910  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T183048_20201111T183054_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T184354_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T194338_20201111T194354_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T194338_20201111T194642_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T194338_20201111T194653_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20201111T194338_20201111T19479_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			The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T154159_20201111T154859_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T164201_20201111T164235_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T164556_20201111T1649454_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T165531_20201111T164554_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T165531_20201111T17055_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T170219_20201111T17055_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T170219_20201111T17056_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T170219_20201111T170568_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T182336_20201111T183356_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T183348_20201111T183546_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T183454_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194338_20201111T1944230_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194644_201011 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194655_20201111T194707_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T19473_20201111T194731_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194733_20201111T194433_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194733_20201111T194843_D001 Loss of echo The tracking echo is missing for one or			
CS_OFFL_SIR_LRM_1B_20201111T164201_20201111T164235_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T164565_20201111T164954_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T165513_20001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T165513_20001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T170219_20201111T17025_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T170219_20201111T170608_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T175747_20201111T180928_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T183048_20201111T183015_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T183048_20201111T183045_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T183048_20201111T183546_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T191309_20201111T194642_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194388_20201111T194663_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194644_20201111T194707_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194709_20201111T194727_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194733_20201111T194843_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			
CS_OFFL_SIR_LRM_1B_20201111T164556_20201111T164848_D001  CS_OFFL_SIR_LRM_1B_20201111T164901_20201111T164954_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T165531_20201111T170125_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T170219_20201111T17055_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T170219_20201111T17068_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T175747_20201111T180928_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T182836_20201111T183015_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T183048_20201111T183546_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T19309_20201111T194320_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194338_20201111T194620_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194644_20201111T194653_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194644_20201111T194707_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194709_20201111T194707_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T19473_20201111T19473_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T19473_20201111T19473_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 f			·
CS_OFFL_SIR_LRM_1B_20201111T164901_20201111T164954_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T165651_20201111T170125_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T170219_20201111T170608_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T170219_2020111T170608_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T187747_2020111T180928_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo i			
CS_OFFL_SIR_LRM_1B_20201111T165531_20201111T170525_D001  CS_OFFL_SIR_LRM_1B_20201111T170219_20201111T17068_D001  CS_OFFL_SIR_LRM_1B_20201111T170219_20201111T17068_D001  CS_OFFL_SIR_LRM_1B_20201111T175747_20201111T180928_D001  CS_OFFL_SIR_LRM_1B_20201111T175747_20201111T180928_D001  CS_OFFL_SIR_LRM_1B_20201111T182836_20201111T183015_D001  CS_OFFL_SIR_LRM_1B_20201111T183048_20201111T183546_D001  CS_OFFL_SIR_LRM_1B_20201111T183048_20201111T183546_D001  CS_OFFL_SIR_LRM_1B_20201111T183752_20201111T184354_D001  CS_OFFL_SIR_LRM_1B_20201111T19309_20201111T194320_D001  CS_OFFL_SIR_LRM_1B_20201111T194338_20201111T19420_D001  CS_OFFL_SIR_LRM_1B_20201111T194338_20201111T194435_20001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194732_20201111T19433_20201111T194338_20001  Loss of echo  The tracking echo is missing for one or more records  The			
CS_OFFL_SIR_LRM_1B_20201111T165858_20201111T170125_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T170219_20201111T180928_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T182836_20201111T180928_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T182836_20201111T183048_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T183048_20201111T183546_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T183752_20201111T184354_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T191309_20201111T194230_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194338_20201111T194642_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194644_20201111T194653_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194709_20201111T194707_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194709_20201111T194731_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records			The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T170219_20201111T170608_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T182036_20201111T183015_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T183048_20201111T183046_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T183752_20201111T183546_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T183752_20201111T184354_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194030_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194338_20201111T19462_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194644_20201111T194653_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194644_20201111T194707_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194709_20201111T194707_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194709_20201111T194731_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194733_20201111T194731_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_20201111T194733_20201111T194843_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 tr			
CS_OFFL_SIR_LRM_1B_20201111T175747_20201111T180928_D001  CS_OFFL_SIR_LRM_1B_20201111T182836_20201111T183015_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T183048_20201111T183546_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T183752_20201111T184354_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194390_20201111T194230_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194338_20201111T194642_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194644_20201111T194653_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194654_20201111T194707_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194799_20201111T194727_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194733_20201111T194731_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194733_20201111T194843_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_20201111T194733_20201111T194843_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_20201111T194845_20201111T194845_D001  Loss of echo  The tracking echo is missing for one or more records		Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T182836_20201111T183015_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T183048_20201111T183546_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T19309_20201111T194230_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194338_20201111T194642_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194644_20201111T194653_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194656_20201111T194707_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194709_20201111T194727_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194709_20201111T194727_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194733_20201111T194731_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194733_20201111T194843_D001 Loss of echo The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20201111T170219_20201111T170608_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T183048_20201111T183546_D001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20201111T175747_20201111T180928_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T184352_20201111T194230_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194338_20201111T194642_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194644_20201111T194653_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194644_20201111T194653_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194656_20201111T194707_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194709_20201111T194727_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194729_20201111T194731_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194733_20201111T194843_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_20201111T194845_20201111T194845_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_20201111T194845_20201111T194926_D001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20201111T182836_20201111T183015_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T194338_20201111T194230_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194644_202011  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194644_20201111T194653_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194656_20201111T194707_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194709_20201111T194727_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194729_20201111T194731_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194733_20201111T194843_D001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20201111T183048_20201111T183546_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T194338_20201111T194642_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194644_20201111T194653_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194656_20201111T194707_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194709_20201111T194727_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194729_20201111T194731_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194733_20201111T194843_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	CS_OFFL_SIR_LRM_1B_20201111T183752_20201111T184354_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T194644_20201111T194653_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	CS_OFFL_SIR_LRM_1B_20201111T191309_20201111T194230_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T194656_20201111T194707_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	CS_OFFL_SIR_LRM_1B_20201111T194338_20201111T194642_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T194709_20201111T194727_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194731_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194733_20201111T194843_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_20201111T194644_20201111T194653_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T194729_20201111T194731_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194843_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194845_20201111T194926_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_20201111T194656_20201111T194707_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T194733_20201111T194843_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20201111T194845_20201111T194926_D001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20201111T194709_20201111T194727_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T194845_20201111T194926_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20201111T194729_20201111T194731_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20201111T194733_20201111T194843_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202011111T204304_20201111T204459_D001 Loss of echo The tracking echo is missing for one or more records			
	CS_OFFL_SIR_LRM_1B_20201111T204304_20201111T204459_D001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_202011111T205627_20201111T211843_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T212253_20201111T212451_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T212453_20201111T212508_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T212510_20201111T212530_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T212532_20201111T212537_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T212539_20201111T212903_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T214209_20201111T215803_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T220045_20201111T220213_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T220219_20201111T220317_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T220423_20201111T220950_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T222141_20201111T222418_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T225441_20201111T230150_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T230154_20201111T230211_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T230214_20201111T230226_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T230229_20201111T230245_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T230258_20201111T230904_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T232045_20201111T232258_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T232420_20201111T233010_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20201111T233253_20201111T235557_D001	Loss of echo	The tracking echo is missing for one or more records

#### 4.5 L1B Calibration Usage Check

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

Number of products with errors: 0

#### 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: 0

## 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: 0

#### 5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

### 5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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:

Number or products with errors: 59	Total Follows	Description
Product	Test Failed	Description
CS_OFFL_SIR_LRM_220201111T001256_20201111T002013_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_220201111T002026_20201111T002419_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_220201111T002422_20201111T004625_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_220201111T010236_20201111T012450_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_220201111T015919_20201111T022440_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_220201111T024140_20201111T030033_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_220201111T030035_20201111T030921_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_220201111T031602_20201111T031829_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_220201111T033143_20201111T040335_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_220201111T045548_20201111T045842_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_220201111T051036_20201111T052049_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_220201111T052219_20201111T054339_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_220201111T060120_20201111T061730_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_220201111T062057_20201111T062558_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_220201111T064706_20201111T072229_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_220201111T074139_20201111T081319_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_220201111T082542_20201111T082803_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220201111T082815_20201111T084014_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_220201111T084456_20201111T084614_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_220201111T084617_20201111T084730_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_220201111T084845_20201111T090217_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_220201111T092000_20201111T093316_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_220201111T093530_20201111T095206_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_220201111T101453_20201111T102517_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_220201111T102656_20201111T104047_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_220201111T110357_20201111T110942_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_20201111T111501_20201111T111909_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_220201111T112032_20201111T112130_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_20201111T112152_20201111T112741_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_20201111T112903_20201111T113044_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_20201111T115916_20201111T121932_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_20201111T123520_20201111T130302_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_220201111T133459_20201111T135844_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_220201111T141457_20201111T144702_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_220201111T151719_20201111T151832_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_220201111T151836_20201111T153046_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_220201111T153348_20201111T153757_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_20201111T155530_20201111T162710_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_220201111T164026_20201111T164133_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_220201111T170904_20201111T171553_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_220201111T173346_20201111T175502_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_220201111T175747_20201111T180928_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_220201111T183752_20201111T184354_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_220201111T184541_20201111T185557_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_220201111T191309_20201111T194230_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_220201111T194338_20201111T194642_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_220201111T200912_20201111T203327_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_220201111T205220_20201111T205537_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_220201111T205627_20201111T211843_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_220201111T214209_20201111T215803_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_220201111T220423_20201111T220950_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_220201111T221333_20201111T221527_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_220201111T223137_20201111T224552_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_220201111T224732_20201111T225015_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_220201111T225441_20201111T230150_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220201111T230214_20201111T230226_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220201111T232045_20201111T232258_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_220201111T232420_20201111T233010_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_220201111T233253_20201111T235557_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

# 6. QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_LRM_1B	184	184	184	0	0
SIR_SAR_1B	114	114	114	0	0
SIR_SIN_1B	106	106	106	0	0
SIR_LRM_2	180	180	177	3	0
SIR_SAR_2	106	107	107	0	0
SIR_SIN_2	107	106	104	2	0
SIR GDR 2	14	14	0	0	14

### 6.1 QCC Errors

Number of products with QCC errors:

14

Product Type	MPHDUTNCDF	MPHXPFNCDF	MPHXVFNCDF	MPHYPFNCDF	MPHYVFNCDF	MPHZPFNCDF	MPHZVFNCDF	STRUCTURESIZ EANDREAD	-	-	-
SIR_GDR_2_	14	14	14	14	14	14	14	14			
0											

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

### 6.2 QCC Warnings

Number of QCC reports with warnings

**i** 

Total number of occurrences of each warning

Product Type	AXDME	AXSMMEOCI	AXSMEOOO	AXWMME000	-	-	-
SIR_LRM_2_	0	2	1	1			
SIR_SIN_2_	2	0	0	0			

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

### 6.2 Missing QCC Reports

Number of products with missing QCC reports:

0