

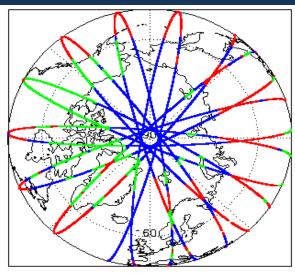
## 1. Overview

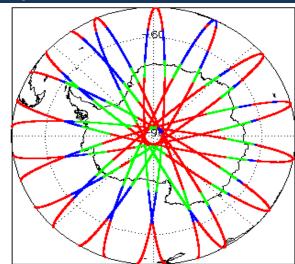
Report Production Date:	23-Jan-2020	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

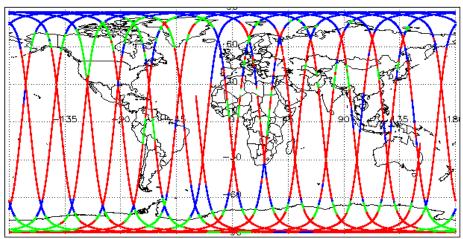
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

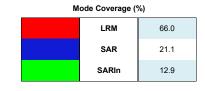
Mission /	Mission / Instrument News		
24-Dec-2	119 None		
25-Dec-2	None		
26-Dec-2	Nothing planned		

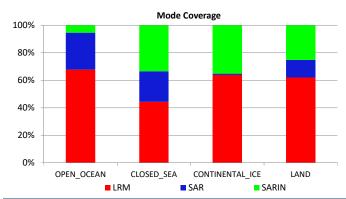
# 2. Global Coverage

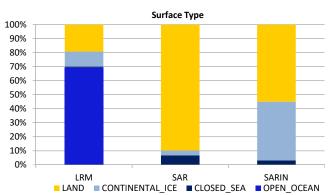












## 3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
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## 4. Level 1B Data Quality Check

### 4.1 L1B Product Format Check

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

Number of products with errors:

## 4.2 L1B Product Header Analysis

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

Number of products with errors:

## 4.3 Star Tracker Usage Check

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

0

Number of products with errors: 0

## 4.4 L1B Tracking Flags Check

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

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

Number of products with errors: 109

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20191224T235554_20191225T001213_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T001952_20191225T002218_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T003037_20191225T004306_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T011446_20191225T011542_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T011546_20191225T011623_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T011628_20191225T011656_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T011701_20191225T011708_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T011710_20191225T011801_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T012001_20191225T012007_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T012010_20191225T012012_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T012014_20191225T012052_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T012426_20191225T013358_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T013602_20191225T015110_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T020730_20191225T021952_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T022019_20191225T022041_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T022433_20191225T023627_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T023850_20191225T023931_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T025326_20191225T025719_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T025722_20191225T025730_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T025735_20191225T025749_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T025825_20191225T025830_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T025834_20191225T025839_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T025842_20191225T025844_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T025847_20191225T025909_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T025914_20191225T025930_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T025938_20191225T025952_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T025954_20191225T030708_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T033822_20191225T033933_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T034433_20191225T041102_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T041153_20191225T041835_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T043214_20191225T043816_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T043819_20191225T043823_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T043825_20191225T043828_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T043833_20191225T043849_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T043921_20191225T043948_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T044458_20191225T050557_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T052349_20191225T055202_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T061319_20191225T061845_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T061952_20191225T062233_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T062236_20191225T062243_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T062247_20191225T062307_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T062311_20191225T062315_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T062318_20191225T062346_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T062349_20191225T064832_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T065114_20191225T065610_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T065618_20191225T065946_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T075016_20191225T075218_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T075407_20191225T075632_D001	Loss of echo	The tracking echo is missing for one or more records
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Co. CH. S. BILLUM 19. 2019/2019/2019/2019/2019/2019/2019/2019/	CS_OFFL_SIR_LRM_1B_20191225T075932_20191225T080046_D001	Loss of echo	The tracking echo is missing for one or more records
Company   Comp	CS_OFFL_SIR_LRM_1B_20191225T080228_20191225T080402_D001	Loss of echo	The tracking echo is missing for one or more records
Company   Comp	CS OFFL SIR LRM 1B 20191225T080508 20191225T080808 D001	Loss of echo	The tracking echo is missing for one or more records
Co. CHI, SELLUM, 19, 2019 (2019) CONTROLLED BY AND CONTROLLED BY A		Loss of acho	The tracking echo is missing for one or more records
Co., Ch.   Ch.   Link   1.   201122019007 (2011220190027 001)   Loss of white   Co.   Ch.   Ch.   Link   1.   2011220190007 (20112201900027 001)   Loss of white   Co.   Ch.   Ch.   Link   1.   2011220190007 (20112201900027 001)   Loss of white   Co.   Ch.   Ch.   Link   1.   2011220190007 (20112201900027 001)   Loss of white   Co.   Ch.			
So, OFFE, SELLAND, 32 0910 2221 03392 (1992) 2. DOIS 10.		Loss of echo	The tracking echo is missing for one or more records
Co. CHI, SMI, LIM, 10, 2019 12 (2019 122 1192 21 1922 1192 1192 1192 119	CS_OFFL_SIR_LRM_1B_20191225T083112_20191225T083641_D001	Loss of echo	The tracking echo is missing for one or more records
Co. CPT_SRI_MIL_MIL_D0010225T00001_201025T010505_D001 Less of etho  Co. CPT_SRI_MIL_D0010225T00001_201025T010505_D001 Less of etho  The includary etho is ministry to one or more records  Co. CPT_SRI_MIL_D0010225T00001_201025T010505_D001 Less of etho  The includary etho is ministry to one or more records  Co. CPT_SRI_MIL_D0010225T00001_201025T010505_D001 Less of etho  The includary etho is ministry to one or more records  Co. CPT_SRI_MIL_D001025T0100001_201025T010505_D001 Less of etho  The includary etho is ministry to one or more records  Co. CPT_SRI_MIL_D001025T0100001_201025T010505_D001 Less of etho  The includary etho is ministry to one or more records  Co. CPT_SRI_MIL_D001025T0100001_201025T010505_D001 Less of etho  The includary etho is ministry to one or more records  Co. CPT_SRI_MIL_D001025T0100001_201025T010050_D001 Less of etho  The includary etho is ministry to one or more records  Co. CPT_SRI_MIL_D001025T0100001_201025T010050_D001 Less of etho  The includary etho is ministry to one or more records  Co. CPT_SRI_MIL_D001025T0100001_201025T010000_D001 Less of etho  The includary etho is ministry to one or more records  Co. CPT_SRI_MIL_D001025T010000_D001025T010000_D001 Less of etho  The includary etho is ministry to or or more records  Co. CPT_SRI_MIL_D001025T010000_D001025T010000_D001 Less of etho  The includary etho is ministry to or or more records  Co. CPT_SRI_MIL_D001025T010000_D001025T0100000_D001 Less of etho  The includary etho is ministry to or or more records  Co. CPT_SRI_MIL_D001025T010000_D001025T010000000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20191225T093247_20191225T093311_D001	Loss of echo	The tracking echo is missing for one or more records
Co. OHL, SRI, LMM, 18, 20191221101222 19191225 191925 DOI  Oscif Chell, SRI, LMM, 18, 201912211101222 19191225 DOI  Oscif Chell, SRI, LMM, 18, 201912211101222 19191225 DOI  Oscif Chell, SRI, LMM, 18, 20191221110122 19191225 DOI  Oscif Chell, SRI, LMM, 18, 2019122111012 19191225 DOI  Oscif Chell, SRI, LMM, 18, 20191221111012 29191225 DOI  Oscif Chell, SRI, LMM, 18, 20191221111012 29191225 DOI  Oscif Chell, SRI, LMM, 18, 20191221111012 29191225 DOI  Oscif Chell, SRI, LMM, 18, 201912211111012 DOI  Oscif Chell, SRI, LMM, 18, 20191221111012 DOI  Oscif Chell, SRI, LMM, 18, 201912211101012 DOI  Oscif Chell, SRI, LMM, 18, 201912211101012 DOI  Oscif Chell, SRI, LMM, 18, 201912211101012 DOI  Oscif Chell, SRI, LMM, 18, 2019122111010101 DOI  Oscif Chell, SRI, LMM, 18, 201912211101010 DOI  Oscif Chell, SRI, LMM, 18, 2019122	CS_OFFL_SIR_LRM_1B_20191225T093537_20191225T093637_D001	Loss of echo	The tracking echo is missing for one or more records
Co. OFT. SRLIAM, 18, 2019 22571032,	CS OFFL SIR LRM 1B 20191225T094001 20191225T094242 D001	Loss of echo	The tracking echo is missing for one or more records
Sec. OFT., SR., LMM. IS. 201912257110452. 20191225110555. DOIS  OFT., SR., LMM. IS. 201912257110452. 20191225110555. DOIS  OFT., SR., LMM. IS. 201912257110452. 20191225110555. DOIS  OFT., SR., LMM. IS. 201912257110452. DOISING JOINT J	CS OFFI SIR LPM 1R 20101225T004/25 20101225T004631 D001	Loss of acho	
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So OFTE, SRIL LIMB. 18, 20191225T120157_20191225T11014_D0011 Loss of elebo The tracking enho is ministing for one or more records CS_OFTE, SRIL LIMB. 18, 20191225T120157_20191225T120160_D0011 Loss of elebo The tracking enho is ministing for one or more records CS_OFTE, SRIL LIMB. 18, 20191225T120157_20191225T120160_D001 Loss of elebo The tracking enho is ministing for one or more records CS_OFTE, SRIL LIMB. 18, 20191225T120157_20191225T120180_D001 Loss of elebo The tracking enho is ministing for one or more records CS_OFTE, SRIL LIMB. 18, 20191225T120157_2019125T1701910_D001 Loss of elebo The tracking enho is ministing for one or more records CS_OFTE, SRIL LIMB. 18, 20191225T120157_2019125T1701910_D001 Loss of elebo The tracking enho is ministing for one or more records CS_OFTE, SRIL LIMB. 18, 20191225T120192_D0011 Loss of elebo The tracking enho is ministing for one or more records CS_OFTE, SRIL LIMB. 18, 20191225T120192_D0011 Loss of elebo The tracking enho is ministing for one or more records CS_OFTE, SRIL LIMB. 19, 20191225T120192_D001120_D001 Loss of elebo The tracking enho is ministing for one or more records CS_OFTE, SRIL LIMB. 19, 20191225T1201920_D001 Loss of elebo The tracking enho is ministing for one or more records CS_OFTE, SRIL LIMB. 19, 20191225T1201920_D001 Loss of elebo The tracking enho is ministing for one or more records CS_OFTE, SRIL LIMB. 19, 20191225T1201920_D001 Loss of elebo The tracking enho is ministing for one or more records CS_OFTE, SRIL LIMB. 19, 20191225T1201920_D001 Loss of elebo The tracking enho is ministing for one or more records CS_OFTE, SRIL LIMB. 19, 20191225T1301920_D001 Loss of elebo The tracking enho is ministing for one or more records CS_OFTE, SRIL LIMB. 19, 20191225T1301920_D001 Loss of elebo The tracking enho is ministing for one or more records CS_OFTE, SRIL LIMB. 19, 20191225T1301920_D001 Loss of elebo The tracking enho is ministing for one or more records The tracking enho is ministing for one or more records CS_OFTE, SRIL LIMB. 19, 20191225T1301920_D001 Loss of	CS_OFFL_SIR_LRM_1B_20191225T105732_20191225T105755_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SRL_PM_18_201912257121012_07_20191225712400_0001  CS_OFF_SRL_PM_18_20191225712102_07_20191225712400_0001  CS_OFF_SRL_PM_18_20191225712102_07_20191225712400_0001  CS_OFF_SRL_PM_18_20191225712102_07_20191225712400_0001  CS_OFF_SRL_PM_18_20191225712102_07_20191225712001_0001  CS_OFF_SRL_PM_18_20191225712102_07_20191225712001_0001  CS_OFF_SRL_PM_18_20191225712102_07_20191225712001_0001  CS_OFF_SRL_PM_18_2019122571227_07_20191225712001_0001  CS_OFF_SRL_PM_18_2019122571227_07_20191225712000_0001  CS_OFF_SRL_PM_18_2019122571227_07_20191225712000_0001  CS_OFF_SRL_PM_18_2019122571227_07_20191225712000_0001  CS_OFF_SRL_PM_18_2019122571227_07_20191225712000_0001  CS_OFF_SRL_PM_18_2019122571227_07_20191225712000_0001  CS_OFF_SRL_PM_18_20191225712000_00019225712000_0001  CS_OFF_SRL_PM_18_20191225712000_0001922571200001  CS_OFF_SRL_PM_18_20191225712000_00019225712000_0001  CS_OFF_SRL_PM_18_20191225712000_00019225712000_0001  CS_OFF_SRL_PM_18_20191225712000_00019225712000_0001  CS_OFF_SRL_PM_18_201912257120000_000192257112000_0001  CS_OFF_SRL_PM_18_20191225712000_000192257112000_0001  CS_OFF_SRL_PM_18_20191225712000_000192257112000_0001  CS_OFF_SRL_PM_18_201912257120000_000192257112000_0001  CS_OFF_SRL_PM_18_201912257120000_000192257112000_0001  CS_OFF_SRL_PM_18_201912257120000_0001922571120000_0001  CS_OFF_SRL_PM_18_20191225712000000000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20191225T105803_20191225T105839_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SRL_PM_18_201912257121012_07_20191225712400_0001  CS_OFF_SRL_PM_18_20191225712102_07_20191225712400_0001  CS_OFF_SRL_PM_18_20191225712102_07_20191225712400_0001  CS_OFF_SRL_PM_18_20191225712102_07_20191225712400_0001  CS_OFF_SRL_PM_18_20191225712102_07_20191225712001_0001  CS_OFF_SRL_PM_18_20191225712102_07_20191225712001_0001  CS_OFF_SRL_PM_18_20191225712102_07_20191225712001_0001  CS_OFF_SRL_PM_18_2019122571227_07_20191225712001_0001  CS_OFF_SRL_PM_18_2019122571227_07_20191225712000_0001  CS_OFF_SRL_PM_18_2019122571227_07_20191225712000_0001  CS_OFF_SRL_PM_18_2019122571227_07_20191225712000_0001  CS_OFF_SRL_PM_18_2019122571227_07_20191225712000_0001  CS_OFF_SRL_PM_18_2019122571227_07_20191225712000_0001  CS_OFF_SRL_PM_18_20191225712000_00019225712000_0001  CS_OFF_SRL_PM_18_20191225712000_0001922571200001  CS_OFF_SRL_PM_18_20191225712000_00019225712000_0001  CS_OFF_SRL_PM_18_20191225712000_00019225712000_0001  CS_OFF_SRL_PM_18_20191225712000_00019225712000_0001  CS_OFF_SRL_PM_18_201912257120000_000192257112000_0001  CS_OFF_SRL_PM_18_20191225712000_000192257112000_0001  CS_OFF_SRL_PM_18_20191225712000_000192257112000_0001  CS_OFF_SRL_PM_18_201912257120000_000192257112000_0001  CS_OFF_SRL_PM_18_201912257120000_000192257112000_0001  CS_OFF_SRL_PM_18_201912257120000_0001922571120000_0001  CS_OFF_SRL_PM_18_20191225712000000000000000000000000000000000	CS OFFL SIR LRM 1B 20191225T115249 20191225T115442 D001	Loss of echo	The tracking echo is missing for one or more records
CS. OFFL. SRL LPM. 18. 20191225712902 20191225712902 DOIS 1  CS. OFFL. SRL LPM. 18. 20191225712902 20191225712902 DOIS 1  CS. OFFL. SRL LPM. 18. 20191225712902 20191225712902 DOIS 1  CS. OFFL. SRL LPM. 18. 20191225712902 20191225712902 DOIS 1  CS. OFFL. SRL LPM. 18. 20191225712902 20191225712902 DOIS 1  CS. OFFL. SRL LPM. 18. 20191225712902 20191225712902 DOIS 1  CS. OFFL. SRL LPM. 18. 20191225712902 20191225712902 DOIS 1  CS. OFFL. SRL LPM. 18. 20191225712902 2019122571290 DOI 1  CS. OFFL. SRL LPM. 18. 20191225712902 2019122571290 DOI 1  CS. OFFL. SRL LPM. 18. 20191225712902 2019122571290 DOI 1  CS. OFFL. SRL LPM. 18. 20191225712902 2019122571290 DOI 1  CS. OFFL. SRL LPM. 18. 20191225712902 2019122571290 DOI 1  CS. OFFL. SRL LPM. 18. 20191225712902 2019122071290 DOI 1  CS. OFFL. SRL LPM. 18. 20191225712902 2019122071290 DOI 1  CS. OFFL. SRL LPM. 18. 20191225712902 2019122071290 DOI 1  CS. OFFL. SRL LPM. 18. 20191225712902 2019122071290 DOI 1  CS. OFFL. SRL LPM. 18. 20191225713902 2019122071290 DOI 1  CS. OFFL. SRL LPM. 18. 20191225713902 2019122071390 DOI 1  CS. OFFL. SRL LPM. 18. 20191225713902 2019122071390 DOI 1  CS. OFFL. SRL LPM. 18. 20191225713902 2019122071390 DOI 1  CS. OFFL. SRL LPM. 18. 20191225713900 2019122071390 DOI 1  CS. OFFL. SRL LPM. 18. 20191225713900 2019122071400 DOI 1  CS. OFFL. SRL LPM. 18. 20191225713900 2019122071400 DOI 1  CS. OFFL. SRL LPM. 18. 20191225713900 2019122071400 DOI 1  CS. OFFL. SRL LPM. 18. 20191225713900 2019122071400 DOI 1  CS. OFFL. SRL LPM. 18. 20191225713900 2019122071400 DOI 1  CS. OFFL. SRL LPM. 18. 20191225713900 2019122071400 DOI 1  CS. OFFL. SRL LPM. 18. 2019122571390 2019122071400 DOI 1  CS. OFFL. SRL LPM. 18. 2019122571390 2019122071400 DOI 1  CS. OFFL. SRL LPM. 18. 2019122571390 2019122071400 DOI 1  CS. OFFL. SRL LPM. 18. 2019122571390 2019122071400 DOI 1  CS. OFFL. SRL LPM. 18. 2019122571390 2019122071400 DOI 1  CS. OFFL. SRL LPM. 18. 2019122571390 2019122071400 DOI 1  CS. OFFL. SRL LPM. 18. 2019122571390 2019122071400 DOI 1  CS. OFFL. SRL LPM. 18. 2019122571			
CS_OFFL_SN_LINU_R_001912251212522_20191225112600_0019  CS_OFFL_SN_LINU_R_0019122512512600_00191225112600_0019  CS_OFFL_SN_LINU_R_0019122512512600_00191225112600_0019  CS_OFFL_SN_LINU_R_0019122512512600_00191225112600_0019  CS_OFFL_SN_LINU_R_0019122512512600_00191225112600_0019  CS_OFFL_SN_LINU_R_0019122512512600_00191225112600_0019  CS_OFFL_SN_LINU_R_0019122512512760_00191225112600_0019  CS_OFFL_SN_LINU_R_0019122512600_00191225112600_0019  CS_OFFL_SN_LINU_R_0019122512600_00191225112600_0019  CS_OFFL_SN_LINU_R_0019122512600_00191225112600_0019  CS_OFFL_SN_LINU_R_0019122512600_00191225112600_0019  CS_OFFL_SN_LINU_R_0019122512600_00191225112600_0019  CS_OFFL_SN_LINU_R_0019122512600_00191225112600_0019  CS_OFFL_SN_LINU_R_0019122512600_00191225112600_0019  CS_OFFL_SN_LINU_R_0019122512600_00191225112600_0019  CS_OFFL_SN_LINU_R_0019122512600_00191225112600_0019  CS_OFFL_SN_LINU_R_00191225112600_00191225112600_0019  CS_OFFL_SN_LINU_R_00191225112600_00191225112600_0019  CS_OFFL_SN_LINU_R_00191225112600_001912251126000_0019  CS_OFFL_SN_LINU_R_00191225112600_00191225112600_00191  CS_OFFL_SN_LINU_R_00191225112600_00191225112600_00191  CS_OFFL_SN_LINU_R_00191225112600_00191225112600_00191  CS_OFFL_SN_LINU_R_00191225112600_00191225112600_00191  CS_OFFL_SN_LINU_R_00191225112600_00191225112600_00191  CS_OFFL_SN_LINU_R_00191225112600_00191225112600_00191  CS_OFFL_SN_LINU_R_00191225112600_00191225112600_00191  CS_OFFL_SN_LINU_R_00191225112600_001912251126000_00191  CS_OFFL_SN_LINU_R_001912251126000_001912251126000_00191  CS_OFFL_SN_LINU_R_001912251126000_001912251126000_00191  CS_OFFL_SN_LINU_R_001912251126000_001912251126000_00191  CS_OFFL_SN_LINU_R_001912251126000_001912251126000_00191  CS_OFFL_SN_LINU_R_001912251126000_001912251126000_00191  CS_OFFL_SN_LINU_R_0019122511260000_001912251126000_00191  CS_OFFL_SN_LINU_R_001912251126000_001912251126000_00191  CS_OFFL_SN_LINU_R_001912251126000_001912251126000_00191  CS_OFFL_SN_LINU_R_001912251126000_001912251126000_00191  CS_OFFL_SN_LINU_R_001912251126000_001912251126000_00191  CS_			
GS_OFF_SR_LRN_18_2019122511225122512250_00101 Loss of exho The tracking exho is missing for one or more records  GS_OFF_SR_LRN_18_20191225112251225122512251251251250_001 Loss of exho The tracking exho is missing for one or more records  GS_OFF_SR_LRN_18_20191225112251225122512251251251251251251251		Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LRW_18_2019122511225132535_20191225112355_D001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRW_18_201912251122512235_20191225112356_D001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRW_18_201912251122512236_20191225112356_D001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRW_18_201912251123752_20191225112356_D001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRW_18_201912251123752_20191225112356_D001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRW_18_20191225112356_D001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRW_18_20191225112352_20191225112355_D001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRW_18_20191225113406_D0011 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRW_18_20191225113406_D00125113407_20191225113352_D001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRW_18_20191225113400_D00125113407_3001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRW_18_20191225114400_D00125113407_3001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRW_18_20191225114400_D00125114407_300191225114400_D00125114407_300191225114400_D00125114407_300191225114400_D0012511440	CS_OFFL_SIR_LRM_1B_20191225T121522_20191225T121629_D001	Loss of echo	The tracking echo is missing for one or more records
GS_OFF_SR_LRW_18_20191225112353_20191225112375_DOID  Loss of exho  The tracking exho is missing for one or more records  GS_OFF_SR_LRW_18_20191225112375_D011225112375_D011  Loss of exho  The tracking exho is missing for one or more records  GS_OFF_SR_LRW_18_20191225112375_D011225112375_D011  Loss of exho  The tracking exho is missing for one or more records  GS_OFF_SR_LRW_18_20191225112375_D011225112351_D011  Loss of exho  The tracking exho is missing for one or more records  GS_OFF_SR_LRW_18_20191225112351_D011225112351_D011  Loss of exho  The tracking exho is missing for one or more records  GS_OFF_SR_LRW_18_20191225112351_D011225112351_D011  Loss of exho  The tracking exho is missing for one or more records  GS_OFF_SR_LRW_18_20191225114073_D010125113250_D011  Loss of exho  The tracking exho is missing for one or more records  GS_OFF_SR_LRW_18_20191225114073_D010125114073_D0101  Loss of exho  The tracking exho is missing for one or more records  GS_OFF_SR_LRW_18_20191225114073_D010125114073_D0101  Loss of exho  The tracking exho is missing for one or more records  GS_OFF_SR_LRW_18_20191225114073_D0101255114073_D0101  Loss of exho  The tracking exho is missing for one or more records  GS_OFF_SR_LRW_18_20191225114073_D0101255114073_D0101  Loss of exho  The tracking exho is missing for one or more records  GS_OFF_SR_LRW_18_20191225114073_D0101255114073_D0101  Loss of exho  The tracking exho is missing for one or more records  GS_OFF_SR_LRW_18_20191225114073_D0101255114073_D0101  Loss of exho  The tracking exho is missing for one or more records  GS_OFF_SR_LRW_18_20191225114073_D0101255114073_D0101  Loss of exho  The tracking exho is missing for one or more records  GS_OFF_SR_LRW_18_20191225114073_D010125114073_D0101  Loss of exho  The tracking exho is missing for one or more records  GS_OFF_SR_LRW_18_20191225114073_D010125114073_D0101  Loss of exho  The tracking exho is missing for one or more records  GS_OFF_SR_LRW_18_20191225114073_D010125114018_D0101  Loss of exho  The tracking exho is missing for one or more	CS_OFFL_SIR_LRM_1B_20191225T121632_20191225T121904_D001	Loss of echo	The tracking echo is missing for one or more records
CS, OFFL, SIR, LRM, IR, 20191225T123940, 20191225T12374, D001  CS, OFFL, SIR, LRM, IR, 20191225T12372, 20191225T12375, 2019  CS, OFFL, SIR, LRM, IR, 20191225T12375, 20191225T12380, D001  CS, OFFL, SIR, LRM, IR, 20191225T13906, 20191225T123930, D001  CS, OFFL, SIR, LRM, IR, 20191225T13906, 20191225T123930, D001  CS, OFFL, SIR, LRM, IR, 20191225T13906, 20191225T123930, D001  CS, OFFL, SIR, LRM, IR, 20191225T13906, 20191225T139420, D001  CS, OFFL, SIR, LRM, IR, 20191225T13906, 20191225T139400, D001  CS, OFFL, SIR, LRM, IR, 20191225T13906, 20191225T139400, D001  CS, OFFL, SIR, LRM, IR, 20191225T13901, 20191225T149400, D001  CS, OFFL, SIR, LRM, IR, 20191225T13901, 20191225T149400, D001  CS, OFFL, SIR, LRM, IR, 20191225T13901, 20191225T14930, D001  CS, OFFL, SIR, LRM, IR, 20191225T14900, 20191225T14935, D001  CS, OFFL, SIR, LRM, IR, 20191225T14900, 20191225T14900, D001  CS, OFFL, SIR, LRM, IR, 20191225T14940, D001  CS, OFFL, SIR, LRM, IR, 20191225T14900, 20191225T14900, D001  CS, OFFL, SIR, LRM, IR, 20191225T14900, 20191225T1901001  CS, OFFL, SIR, LRM, IR, 20191225T14900, 20191225T1901001  CS, OFFL, SIR, LRM, IR, 20191225T14900, 20191225T1901001  CS, OFFL, SIR, LRM, IR, 20191225T15900, 20191225T1901001  CS, OFFL, SIR, LRM, IR, 20191225T15900, 20191225T190000  CS, OFFL, SIR, LRM, IR, 20191225T15900, 20191225T190000  CS, OFFL, SIR, LRM, IR, 20191225T19000, 20191225T19000000000000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20191225T122346_20191225T123236_D001	Loss of echo	The tracking echo is missing for one or more records
CS, OFFL, SIR, LRM, IR, 20191225T123940, 20191225T12374, D001  CS, OFFL, SIR, LRM, IR, 20191225T12372, 20191225T12375, 2019  CS, OFFL, SIR, LRM, IR, 20191225T12375, 20191225T12380, D001  CS, OFFL, SIR, LRM, IR, 20191225T13906, 20191225T123930, D001  CS, OFFL, SIR, LRM, IR, 20191225T13906, 20191225T123930, D001  CS, OFFL, SIR, LRM, IR, 20191225T13906, 20191225T123930, D001  CS, OFFL, SIR, LRM, IR, 20191225T13906, 20191225T139420, D001  CS, OFFL, SIR, LRM, IR, 20191225T13906, 20191225T139400, D001  CS, OFFL, SIR, LRM, IR, 20191225T13906, 20191225T139400, D001  CS, OFFL, SIR, LRM, IR, 20191225T13901, 20191225T149400, D001  CS, OFFL, SIR, LRM, IR, 20191225T13901, 20191225T149400, D001  CS, OFFL, SIR, LRM, IR, 20191225T13901, 20191225T14930, D001  CS, OFFL, SIR, LRM, IR, 20191225T14900, 20191225T14935, D001  CS, OFFL, SIR, LRM, IR, 20191225T14900, 20191225T14900, D001  CS, OFFL, SIR, LRM, IR, 20191225T14940, D001  CS, OFFL, SIR, LRM, IR, 20191225T14900, 20191225T14900, D001  CS, OFFL, SIR, LRM, IR, 20191225T14900, 20191225T1901001  CS, OFFL, SIR, LRM, IR, 20191225T14900, 20191225T1901001  CS, OFFL, SIR, LRM, IR, 20191225T14900, 20191225T1901001  CS, OFFL, SIR, LRM, IR, 20191225T15900, 20191225T1901001  CS, OFFL, SIR, LRM, IR, 20191225T15900, 20191225T190000  CS, OFFL, SIR, LRM, IR, 20191225T15900, 20191225T190000  CS, OFFL, SIR, LRM, IR, 20191225T19000, 20191225T19000000000000000000000000000000000000	CS OFFL SIR LRM 1B 20191225T123533 20191225T123637 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20191227112772_01912251127374_D001  CS_OFFL_SIR_LRM_IB_2019122712772_019122511273756_D001  CS_OFFL_SIR_LRM_IB_2019122717378_00191227137276_D001  CS_OFFL_SIR_LRM_IB_201912271378_00191227137276_D001  CS_OFFL_SIR_LRM_IB_201912271378_00191227137270_D001  CS_OFFL_SIR_LRM_IB_201912271372713912_0191227137270_D001  CS_OFFL_SIR_LRM_IB_201912271372713912_00191227137270_D001  CS_OFFL_SIR_LRM_IB_201912271372713912_00191227137270_D001  CS_OFFL_SIR_LRM_IB_201912271372713912_001912271372710_D001  CS_OFFL_SIR_LRM_IB_201912271372713912_001912271372714728_D001  CS_OFFL_SIR_LRM_IB_201912271372713912_0019122714728_D001  CS_OFFL_SIR_LRM_IB_201912271372713912_0019122714728_D001  CS_OFFL_SIR_LRM_IB_2019122714728_0019122714728_D001  CS_OFFL_SIR_LRM_IB_2019122714728_0019122714728_D001  CS_OFFL_SIR_LRM_IB_2019122714728_0019122714728_D001  CS_OFFL_SIR_LRM_IB_2019122714728_0019122714728_D001  CS_OFFL_SIR_LRM_IB_2019122714728_0019122714728_D001  CS_OFFL_SIR_LRM_IB_2019122714728_0019122714728_D001  CS_OFFL_SIR_LRM_IB_2019122714728_0019122714728_D001  CS_OFFL_SIR_LRM_IB_2019122714728_0019122714728_D001  CS_OFFL_SIR_LRM_IB_2019122714728_0019122714728_D001  CS_OFFL_SIR_LRM_IB_2019122714728_D00102714728_D001  CS_OFFL_SIR_LRM_IB_2019122714728_D00102714728_D001  CS_OFFL_SIR_LRM_IB_2019122714728_D00102714728_D001  CS_OFFL_SIR_LRM_IB_2019122714728_D00102714728_D0010  CS_OFFL_SIR_LRM_IB_2019122714728_D00102714728_D0010  CS_OFFL_SIR_LRM_IB_201912271472714728_D00102714728_D0010  CS_OFFL_SIR_LRM_IB_20191227147428_D0010227147490_D001  CS_OFFL_SIR_LRM_IB_20191227147498_D0010227147490_D001  CS_OFFL_SIR_LRM_IB_20191227147498_D0010227147490_D001  CS_OFFL_SIR_LRM_IB_20191227147498_D0010227147490_D001  CS_OFFL_SIR_LRM_IB_20191227147498_D0010227147490_D001  CS_OFFL_SIR_LRM_IB_2019122717498_D0010227147490_D001  CS_OFFL_SIR_LRM_IB_2019122717498_D0010227147490_D001  CS_OFFL_SIR_LRM_IB_2019122717498_D0010227147490_D001  CS_OFFL_SIR_LRM_IB_2019122717498_D0010227147490_D0010  CS_OFFL_SIR_LRM_IB_2019122717498_D0010227147490_D0010  CS_OFFL_SIR_LRM_I			
CS_OFFL_SR_LRM_18_20191225T123747_20191225T12378_0001  CS_OFFL_SR_LRM_18_20191225T12378_20191225T12380_0001  CS_OFFL_SR_LRM_18_20191225T13088_20191225T13230_0001  CS_OFFL_SR_LRM_18_20191225T13088_20191225T132330_0001  CS_OFFL_SR_LRM_18_20191225T13088_20191225T132330_0001  CS_OFFL_SR_LRM_18_20191225T13088_20191225T1325T13330_0001  CS_OFFL_SR_LRM_18_20191225T13088_20191225T1308_20001  CS_OFFL_SR_LRM_18_20191225T13081_20191225T130330_0001  CS_OFFL_SR_LRM_18_20191225T13081_20191225T14033_0001  CS_OFFL_SR_LRM_18_20191225T14090_20191225T1403_0001  CS_OFFL_SR_LRM_18_20191225T14307_20191225T1435_0001  CS_OFFL_SR_LRM_18_20191225T14302_00191225T1435_0001  CS_OFFL_SR_LRM_18_20191225T14302_00191225T1435_0001  CS_OFFL_SR_LRM_18_20191225T14302_00191225T1435_0001  CS_OFFL_SR_LRM_18_20191225T14302_00191225T1435_0001  CS_OFFL_SR_LRM_18_20191225T14302_00191225T1430_0001  CS_OFFL_SR_LRM_18_20191225T14302_00191225T1430_0001  CS_OFFL_SR_LRM_18_20191225T14302_00191225T1430_0001  CS_OFFL_SR_LRM_18_20191225T14302_00191225T1430_0001  CS_OFFL_SR_LRM_18_20191225T14302_00191225T1430_0001  CS_OFFL_SR_LRM_18_20191225T14344_20191225T14465_0001  CS_OFFL_SR_LRM_18_20191225T14344_20191225T14465_0001  CS_OFFL_SR_LRM_18_20191225T14303_0001  CS_OFFL_SR_LRM_18_20191225T14304_200191225T14465_0001  CS_OFFL_SR_LRM_18_20191225T14303_0001  CS_OFFL_SR_LRM_18_20191225T15403_0001  CS_OFFL_SR_LRM_18_20191225T15403_0001  CS_OFFL_SR_LRM_18_20191225T15403_0001  CS_OFFL_SR_LRM_18_20191225T15403_0001  CS_OFFL_SR_LRM_18_20191225T15403_0001  CS_OFFL_SR_LRM_18_20191225T15403_0001  CS_OFFL_SR_LRM_18_20191225T15403_0001  CS_OFFL_SR_LRM_18_20191225T15403_0001  CS_OFFL_SR_LRM_18_2019122			
CS_OFFL_SIR_LEM_18_201912251123182_001912251123182_0001 Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_201912251133147_2019122513352_0001 Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_201912251133147_20191225133352_0001 Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_201912251133147_20191225133352_0001 Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20191225114098_20191225114032_0001 Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20191225114098_20191225114132_0001 Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_201912251141332_00101 Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_201912251141332_00101 Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_201912251141332_00101 Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20191225114332_001012251144352_0010 Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20191225114344_001012251144455_0001 Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20191225114344_001012251144467_0001 Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20191225114444_001012251144467_0001 Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_201912251144495_00101225114449_0001 Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_201912251144495_001012251144490_0001 Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20191225114495_00101225114495_0001 Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_18_20191225114495_00101225114495_0001 Loss of exho The tracking exho is missing for one or more records  CS_OFFL_SIR_LEM_1			·
CS_OFFL_SIR_LRM_18_2019122ST193098_2019122ST19	CS_OFFL_SIR_LRM_1B_20191225T123747_20191225T123756_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20191225T13988_20191225T13940_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T13940_20191225T13930_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T139511_20191225T140733_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T140980_20191225T141033_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T141392_20191225T141303_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T141330_20191225T141305_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T141330_20191225T141305_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T141330_20191225T141305_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T141330_20191225T141405_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T14303_20191225T1400_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T14503_20191225T150811_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T15403_20191225T15011_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T154051_20191225T155011_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T154051_20191225T155011_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T155018_20191225T155011_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T15510501_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T15510501_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SI	CS_OFFL_SIR_LRM_1B_20191225T123758_20191225T123806_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20191225T134048_20191225T34501_0001	CS_OFFL_SIR_LRM_1B_20191225T123812_20191225T123815_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SIR_LRM_1B_20191225T134048_20191225T140733_D001	CS_OFFL_SIR_LRM_1B_20191225T130958_20191225T132420_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SIR_LRM_1B_20191225T134048_20191225T140733_D001	CS_OFFL_SIR_LRM_1B_20191225T133147_20191225T133352_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20191225T140581_20191225T141333_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T141332_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T141332_D0191225T141335_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T141332_D0191225T141335_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T141338_D0191225T141355_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T144382_D0191225T144687_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T144632_D0191225T164011_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T146032_D0191225T164011_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T164033_D0191225T164011_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T164033_D0191225T164011_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T164033_D0191225T154011_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T165018_D0191225T155018_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T165018_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T165018_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T165018_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T165018_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T165011_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20191225T166011_D001 Loss of echo The tracking ec			
CS_OFFL_SIR_LRM_18_20191225T14328_20191225T14335_0001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T14328_20191225T14335_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T14328_20191225T14335_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T14338_20191225T144355_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T143348_20191225T144355_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T143248_20191225T144351_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T154333_20191225T154449_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T154333_20191225T15449_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T154333_20191225T154917_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T154918_20191225T155915_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T155918_20191225T155935_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T155918_20191225T155918_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T165122_0191225T155180_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T165122_0191225T165130_001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T165122_0191225T165513_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T165122_0191225T165513_0001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T16555_20191225T172745_0001 Loss of echo The tracking echo is m			·
CS_OFFL_SIR_LRM_IB_20191225T141256_20191225T141303_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T141329_20191225T141335_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T14358_20191225T141805_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T14358_20191225T144857_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T14444_20191225T144657_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T154033_20191225T154449_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T154933_20191225T154917_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T154917_2001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T155038_20191225T155011_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T155038_20191225T155011_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T155038_20191225T155118_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T155038_20191225T15516S_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T15518_20191225T15518_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T165185_20191225T165001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T165038_20191225T164521_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T165052_20191225T104521_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T165063_20191225T1725001  Loss of echo The tracking echo is m		Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20191225T141307_20191225T141335_D001   Loss of echo   The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20191225T140950_20191225T141253_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T141326_20191225T14405_D001  CS_OFFL_SIR_LRM_1B_20191225T143444_20191225T14405_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T143444_20191225T14405_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T1454326_20191225T15449_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T154033_20191225T154449_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T154953_20191225T154941_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T155018_20191225T155011_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T155018_20191225T155018_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T155038_20191225T15518_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T155038_20191225T15518_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T155182_20191225T15518_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T161216_20191225T16181B_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T161816_20191225T16818_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T16986_20191225T16983_1D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T172651_20191225T1726D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T172651_20191225T1726D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T179655_20191225T190748_D001  Loss of echo  The tracking echo is missing for one or more records  CS_	CS_OFFL_SIR_LRM_1B_20191225T141256_20191225T141303_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20191225T144354_20191225T144857_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191225T144244_20191225T164815_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191225T154033_20191225T154049_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191225T154833_20191225T154049_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191225T154835_20191225T155011_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191225T154951_20191225T155035_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191225T155038_20191225T15518_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191225T15518_20191225T15518_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191225T15519_001001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191225T161216_20191225T161818_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191225T165162_0191225T1618503_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191225T16514_20191225T16531_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191225T165946_20191225T1725T001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191225T172651_20191225T1725001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191225T172651_20191225T1730001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191225T172651_20191225T1730001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191225T1900672_0191225T190013_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL	CS_OFFL_SIR_LRM_1B_20191225T141307_20191225T141325_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T144344 20191225T16461_D001  Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T154033_20191225T154049_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T154083_20191225T154091_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T154981_20191225T154091_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T155018_20191225T155018_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T155018_20191225T15518_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T15518_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T15519_20191225T15516_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T16519_20191225T16518_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T16126_20191225T161818_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T161855_20191225T164521_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T165948_20191225T164521_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T165948_20191225T17245_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T172651_20191225T17260_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T172651_20191225T170601_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T190617_20191225T19061_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T190617_20191225T190617_D001 Loss of echo The tracking echo is missing for one or more record	CS_OFFL_SIR_LRM_1B_20191225T141329_20191225T141355_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T144344 20191225T16461_D001  Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T154033_20191225T154049_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T154083_20191225T154091_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T154981_20191225T154091_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T155018_20191225T155018_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T155018_20191225T15518_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T15518_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T15519_20191225T15516_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T16519_20191225T16518_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T16126_20191225T161818_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T161855_20191225T164521_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T165948_20191225T164521_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T165948_20191225T17245_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T172651_20191225T17260_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T172651_20191225T170601_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T190617_20191225T19061_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191225T190617_20191225T190617_D001 Loss of echo The tracking echo is missing for one or more record	CS_OFFL_SIR_LRM_1B_20191225T141358_20191225T141804_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T145228_20191225T150611_D001   Loss of echo   The tracking echo is missing for one or more records			ů ů
CS_OFFL_SIR_LRM_1B_20191225T154033_20191225T154917_D001			
CS_OFFL_SIR_LRM_1B_20191225T15495_20191225T15591_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T155018_20191225T15501B_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T155038_20191225T15518_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T155122_20191225T155156_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T155159_20191225T155156_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T155159_20191225T155156_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T161818_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T161859_20191225T161818_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T161859_20191225T161851_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T165540_20191225T165631_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T165640_20191225T172425_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T17251_20191225T17208_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T17251_20191225T172508_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T172552_D0191225T190611_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T190612_D0191225T190743_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T190746_20191225T190743_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T190755_20191225T190753_D001  Loss of ech	CS_OFFL_SIR_LRM_1B_20191225T145226_20191225T150611_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20191225T155018_20191225T155018_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T155038_20191225T155118_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T155139_20191225T15516E_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T155159_20191225T161518_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T16155192_20191225T161818_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T161855_20191225T161818_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T161855_20191225T1618519_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T161855_20191225T1645631_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T164664_20191225T17425_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T172651_20191225T17278_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T172751_20191225T173506_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T175555_20191225T192316_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T190746_20191225T190743_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T190746_20191225T190745_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T190759_20191225T190754_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T190759_20191225T190754_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20191225T190759_20191225T	CS_OFFL_SIR_LRM_1B_20191225T154033_20191225T154449_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191225T155018_20191225T155035_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T155132_20191225T155156_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T155159_20191225T155156_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T165159_20191225T16516_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T161216_20191225T1618_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T161855_20191225T164521_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T161855_20191225T165631_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T165614_20191225T172425_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T172551_20191225T172708_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T172751_20191225T172708_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T172755_20191225T19031_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T190617_20191225T190743_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T190759_20191225T190730_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T190759_20191225T190303_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T109059_20191225T1030351_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T203554_20191225T20458_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20191225T203554_20191225T20458_D001 Loss of echo The tracking	CS_OFFL_SIR_LRM_1B_20191225T154835_20191225T154917_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20191225T155152_20191225T155156_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T155159_20191225T165188_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T161216_20191225T161818_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T161216_20191225T161818_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T161855_20191225T164521_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T165144_20191225T165631_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T165946_20191225T172425_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T172651_20191225T172708_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T1727555_20191225T172708_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T1725552_20191225T172506_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T1755552_20191225T182316_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T190517_20191225T190611_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T190742_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T190742_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T190759_20191225T19074_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T190759_20191225T190754_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T190756_20191225T100559_20191225T100559_20191225T	CS_OFFL_SIR_LRM_1B_20191225T154951_20191225T155011_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20191225T155152_20191225T155156_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T155159_20191225T165188_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T161216_20191225T161818_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T161216_20191225T161818_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T161855_20191225T164521_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T165144_20191225T165631_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T165946_20191225T172425_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T172651_20191225T172708_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T1727555_20191225T172708_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T1725552_20191225T172506_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T1755552_20191225T182316_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T190517_20191225T190611_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T190742_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T190742_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T190759_20191225T19074_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T190759_20191225T190754_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20191225T190756_20191225T100559_20191225T100559_20191225T	CS OFFL SIR LRM 1B 20191225T155018 20191225T155035 D001	Loss of echo	The tracking echo is missing for one or more records
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	CS_OFFL_SIR_LRM_1B_20191225T204238_20191225T204328_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20191225T204703_20191225T204819_D001	Loss of echo	The tracking echo is missing for one or more records
		Loss of echo	

## 4.5 L1B Calibration Usage Check

#### 4.6 L1B Auxilary Data File Usage Check

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

Number of products with errors:

#### 4.7 L1B Auxiliary Correction Error Check

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

Number of products with errors:

### 4.8 L1B Measurement Confidence Data Check

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

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

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

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

Number of products with errors:

# 5. Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

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

Number of products with errors:

#### 5.2 L2 Product Header Analysis

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

Number of products with errors:

### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

### 5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

### 5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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

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

Number of products with errors:

49

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220191224T235554_20191225T001213_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_220191225T003037_20191225T004306_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_220191225T004350_20191225T010058_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_220191225T012426_20191225T013358_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_220191225T013602_20191225T015110_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_220191225T020730_20191225T021952_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_220191225T022433_20191225T023627_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_220191225T023850_20191225T023931_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220191225T031524_20191225T033022_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_220191225T034433_20191225T041102_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_220191225T044458_20191225T050557_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_220191225T052349_20191225T055202_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS OFFL SIR LRM 2 20191225T062349 20191225T064832 D001	(Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error
	(Retracker 2) Height Error (Retracker 2), Backscatter	for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220191225T070427_20191225T073754_D001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20191225T075016_20191225T075218_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_220191225T075932_20191225T080046_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20191225T084321_20191225T091644_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_2_20191225T092928_20191225T093109_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_220191225T094854_20191225T100538_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_220191225T102201_20191225T105536_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_220191225T105732_20191225T105755_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220191225T112031_20191225T114312_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_220191225T120157_20191225T121044_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_220191225T121047_20191225T121400_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_220191225T121522_20191225T121629_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_220191225T121632_20191225T121904_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_220191225T122346_20191225T123236_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_20191225T123533_20191225T123637_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220191225T125050_20191225T130802_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_220191225T130958_20191225T132420_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_220191225T134048_20191225T135401_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_220191225T135520_20191225T135610_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_220191225T135811_20191225T140733_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_220191225T143444_20191225T144657_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_220191225T145226_20191225T150611_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_220191225T152036_20191225T153611_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_220191225T154033_20191225T154449_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_220191225T161855_20191225T164521_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_220191225T165946_20191225T172425_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_220191225T175555_20191225T182316_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20191225T183901_20191225T190611_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_220191225T191434_20191225T191637_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20191225T192955_20191225T200240_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_220191225T205359_20191225T205708_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_20191225T210911_20191225T211750_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_220191225T212034_20191225T214233_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

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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
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