

# 05/09/2021



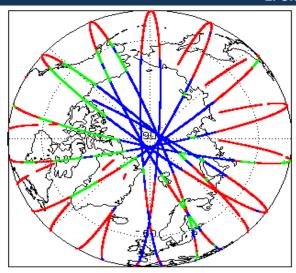
# 1. Overview

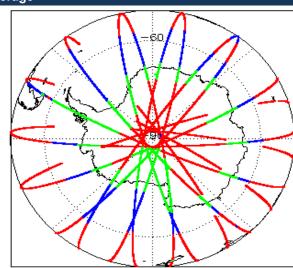
Report Production Date:	06-Oct-2021	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

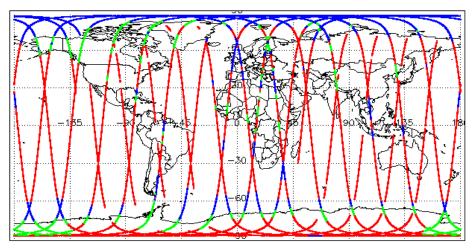
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

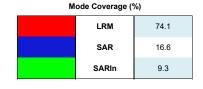
Mission / Instrument News		
04-Sep-2021	None	
05-Sep-2021	SAR and SARIn unavailability from 2021-09-05 16:43:13 to 23:21:32 due to Ground Segment Anomaly	
06-Sep-2021	SAR and SARIn unavailability from 2021-09-07 12:26:45 to 12:27:37 due to Ground Segment Anomaly	

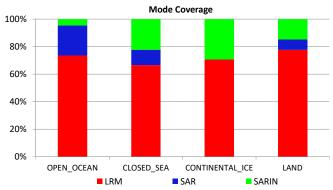
# 2. Global Coverage

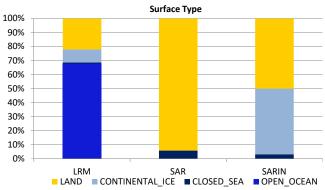












# 3. Instrument Configuration

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:

0

### 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:

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### 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:

QΩ

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20210905T002205_20210905T002725_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T002758_20210905T003001_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T003008_20210905T003031_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T003033_20210905T004420_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T004423_20210905T004431_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T004433_20210905T004950_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T010150_20210905T010945_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T020200_20210905T020237_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T020544_20210905T020834_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T020846_20210905T020952_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T021522_20210905T021524_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T021528_20210905T021703_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T021848_20210905T022148_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T022225_20210905T022324_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T022326_20210905T022413_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T022417_20210905T022445_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T031736_20210905T032911_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T034825_20210905T035013_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T035027_20210905T035133_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T035137_20210905T035540_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T035737_20210905T040343_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T050320_20210905T050921_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T052059_20210905T055317_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T060251_20210905T060447_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T060644_20210905T060951_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T061534_20210905T062714_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T062917_20210905T063953_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T064236_20210905T064849_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T070138_20210905T071754_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T072046_20210905T072220_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T072234_20210905T072324_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T072327_20210905T072938_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T074125_20210905T074408_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T081431_20210905T082356_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T082358_20210905T082850_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T084032_20210905T084248_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T084411_20210905T085001_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T085245_20210905T085524_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T085526_20210905T085526_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T085530_20210905T091527_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T091920_20210905T092800_E001	Loss of echo	The tracking echo is missing for one or more records

Comparison   Com	CS_OFFL_SIR_LRM_1B_20210905T093120_20210905T095524_E001	Loss of echo	The tracking echo is missing for one or more records
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Company   Comp			
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CS_OFFL_SRL_RM_1B_202000ST132001_2021000T132205_E001 Loss of echio The tracking echo is missing for one or more records  CS_OFFL_SRL_RM_1B_202000ST132001_2021000T132205_E001 Loss of echio The tracking echo is missing for one or more records  CS_OFFL_SRL_RM_1B_202000ST145052_0021000T14508_E001 Loss of echio The tracking echo is missing for one or more records  CS_OFFL_SRL_RM_1B_2021000ST13505_0021000ST14508_E001 Loss of echio The tracking echo is missing for one or more records  CS_OFFL_SRL_RM_1B_2021000ST15050_E00100ST14508_E001 Loss of echio The tracking echo is missing for one or more records  CS_OFFL_SRL_RM_1B_2021000ST15051_200100ST14508_E001 Loss of echio The tracking echo is missing for one or more records  CS_OFFL_SRL_RM_1B_2021000ST15051_200100ST14506_E001 Loss of echio The tracking echo is missing for one or more records  CS_OFFL_SRL_RM_1B_202100ST15051_200100ST17417_E001 Loss of echio The tracking echo is missing for one or more records  CS_OFFL_SRL_RM_1B_202100ST17451_200100ST17415_E001 Loss of echio The tracking echo is missing for one or more records  CS_OFFL_SRL_RM_1B_202100ST17451_200100ST17415_E001 Loss of echio The tracking echo is missing for one or more records  CS_OFFL_SRL_RM_1B_202100ST17451_200100ST17415_E001 Loss of echio The tracking echo is missing for one or more records  CS_OFFL_SRL_RM_1B_202100ST17451_200100ST17450_E001 Loss of echio The tracking echo is missing for one or more records  CS_OFFL_SRL_RM_1B_202100ST17451_200100ST17450_E001 Loss of echio The tracking echo is missing for one or more records  CS_OFFL_SRL_RM_1B_202100ST17451_200100ST17451_E001 Loss of echio The tracking echo is missing for one or more records  CS_OFFL_SRL_RM_1B_202100ST174572_E00100ST18751_E001 Loss of echio The tracking echo is missing for one or more records  CS_OFFL_SRL_RM_1B_202100ST18752_E00100ST18751_E001 Loss of echio The tracking echo is missing for one or more records  CS_OFFL_SRL_RM_1B_202100ST18752_E00100ST18751_E001 Loss of echio The tracking echo is missing for one or more records  CS_OFFL_SRL_			
CS_OFFL_SR_LRM_IB_20210905T142001_00210905T14578_D010095T1			
CS_OFFL_SR_LRM_1B_20210067144759_20210095145530_E001 Loss of exhall The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210065174578_20210095175505_E001 Loss of exhall The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210065175055_20210095175405_E001 Loss of exhall The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210065175405_20210095175405_E001 Loss of exhall The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210065175405_20210095175405_E001 Loss of exhall The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210065175405_20210095175405_E001 Loss of exhall The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210065177405_E001 Loss of exhall The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210065177405_E001095177405_E001 Loss of exhall The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210065177405_20210095177405_E001 Loss of exhall The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210065177405_2021009517445_E001 Loss of exhall The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210065177405_2021009517445_E001 Loss of exhall The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210065174050_20210950517435_E001 Loss of exhall The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210065174950_2021009517435_E001 Loss of exhall The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210065174950_2021009517435_E001 Loss of exhall The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210065174950_20210095174950_E001 Loss of exhall The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210065174950_20210095174950_E001 Loss of exhall The tracking exho is missing for one or more records CS_OFFL_SR_LRM_1B_20210065174948_20010065174950_E001005174050_E001005174050_E001005174050_E001005174050_E001005174050_E00100517405			
CS_OFFL_SIR_LEM_18_20210005T14578_20210005T146838_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210005T164552.201005T156950_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210005T16450_201005T15694_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210005T16460_2021005T156144_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210005T16460_2021005T156144_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210005T174451_20210005T1671447_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210005T1871451_20210005T1671405_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210005T1871503_20210005T1803120_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210005T183715_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210005T183715_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210005T183753_20210005T183715_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210005T183753_20210005T183751_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210005T183753_20210005T183751_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210005T183753_20210005T183751_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210005T183753_20210005T183752_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210005T183753_20210005T183752_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210005T183753_20210005T183752_E001  Loss of echo The tracking echo is missing f			
CS_OFF_SIR_LEM_18_20210905T1645824_20210905T1545805_E001 Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LEM_18_20210905T16458_20210905T155144_E001 Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LEM_18_20210905T16558_20210905T155144_E001 Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LEM_18_20210905T16558_20210905T174135_E001 Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LEM_18_20210905T174513_20210905T174135_E001 Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LEM_18_20210905T175035_20210905T174135_E001 Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LEM_18_20210905T175035_20210905T174135_E001 Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LEM_18_20210905T187503_20210905T1871371_E001 Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LEM_18_20210905T183715_20210905T183722_E001 Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LEM_18_20210905T183715_20210905T183722_E001 Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LEM_18_20210905T183715_20210905T183722_E001 Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LEM_18_20210905T18375_20210905T18372_E001 Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LEM_18_20210905T183735_20210905T18372_E001 Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LEM_18_20210905T193732_20210905T183912_E001 Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LEM_18_20210905T193732_20210905T193912_E001 Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LEM_18_20210905T19352_20210905T19352_E001 Loss of exho  The tracking exho is missing for one or more records  CS_OFF_SIR_LEM_18_20210905T19352_20210905T19352_E001 Loss of exho  The tracking exh		Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SIR_LRM_18_20210905T15061_20210905T150404_E001	CS_OFFL_SIR_LRM_1B_20210905T145726_20210905T145838_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20210005T15305L_20210005T15404B_20210005T15404B_20210005T15404B_20210005T17401F_ED01  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210005T17401_20210005T17413E_ED01 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210005T173015_20210005T17413E_ED01 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210005T173015_20210005T17413E_ED01 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210005T183715_20210005T18372E_ED01 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210005T183715_20210005T18372E_ED01 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210005T183715_20210005T18372E_ED01 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210005T183735_20210005T18372E_ED01 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210005T183735_20210005T18502E_ED01 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210005T183735_20210005T18502E_ED01 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210005T18373_20210005T19502E_ED01 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210005T18372_ED010_ED01 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210005T19372_20210005T193918_ED01 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210005T19372_20210005T19372_ED01 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210005T19372_20210005T193918_ED01 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210005T20130_20210005T0005E_ED01 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210005T20130_20210005T20130	CS_OFFL_SIR_LRM_1B_20210905T145854_20210905T145917_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFSIR_LRM_18_20210005T15444_20210005T175144_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20210005T17415_20210005T17415_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20210005T17415_20210005T17415_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20210005T175002_20210005T180231_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20210005T183751_20210005T180231_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20210005T183752_20210005T183751_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20210005T183752_20210005T183751_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20210005T183753_20210005T183011_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20210005T183753_20210005T183011_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20210005T183753_20210005T183011_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20210005T183753_20210005T183012_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20210005T1837272_20210005T1837272_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20210005T19589_20210005T193032_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20210005T19589_20210005T195032_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20210005T19589_20210005T195032_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20210005T19589_20210005T195032_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFSIR_LRM_18_20210005T20182_2021005T201822_E001  Loss of echo T	CS_OFFL_SIR_LRM_1B_20210905T151645_20210905T152805_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210905T18538_20210905T171417_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210905T1714512_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210905T173135_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210905T183373_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210905T183731_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210905T183735_E0010905T1837372_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210905T18375_20210905T183772_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210905T18378_20210905T18018538_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210905T18348_20210905T180107_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210905T192729_20210905T19075_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210905T192729_20210905T193727_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210905T193729_20210905T193727_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210905T193729_20210905T193918_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210905T193729_20210905T193918_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210905T203139_20210905T203120_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210905T20318_20210905T203120_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210905T20318_201095T203120_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210905T20318_201095T	CS_OFFL_SIR_LRM_1B_20210905T153051_20210905T154644_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210905T173161_20210905T173103_E001  CS_OFFL_SIR_LRM_18_20210905T173103_20210905T173103_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T173103_20210905T183731_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T183731_20210905T183731_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T183735_20210905T183731_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T183735_20210905T183736_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T183735_20210905T183736_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T183735_20210905T183737_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T183737_20210905T19377_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T193727_2001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T193727_20010905T193727_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T19357_20210905T193938_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T19351_20210905T200052_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T201352_20210905T201322_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T201352_20210905T201352_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T201352_20210905T201352_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T201352_20210905T201351_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_	CS_OFFL_SIR_LRM_1B_20210905T154649_20210905T155144_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T179315_20210905T182312_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T183732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T183752_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T183752_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T183752_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T183752_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T183752_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T183528_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T193531_20210905T19007_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T193528_20210905T193072_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T193529_20210905T193072_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T193529_20210905T193555_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T19359_20210905T209032_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T201852_0210905T201832_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T201852_0210905T201831_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T201852_0210905T201831_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T201852_0210905T201831_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T201852_0210905T201831_E001 Loss of echo The tracking echo is m	CS_OFFL_SIR_LRM_1B_20210905T165536_20210905T171417_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T183421_20210905T183712_E001	CS_OFFL_SIR_LRM_1B_20210905T171451_20210905T173103_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T183421_20210905T183713_E001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T183725_20210905T183715_E001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T183753_20210905T185328_E001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T184348_20210905T185328_E001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T185328_200105T19100T_E001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T185328_2001005T19100T_E001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T193729_20210905T193072_E001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T193729_20210905T1936555_E001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T193799_20210905T1936555_E001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T193939_20210905T200032_E001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T201839_20210905T200032_E001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T201832_E001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T201834_20210905T201831_E001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T202514_20210905T202129_E001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T202514_20210905T202510_E001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T202514_20210905T202510_E001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213454_20210905T213351_E001 Loss of echo  The track	CS_OFFL_SIR_LRM_1B_20210905T173915_20210905T174135_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T183715_20210905T183751_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T183755_20210905T183755_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T18353_20210905T18538_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T18533_20210905T19505_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T19505_20210905T193727_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T193729_20210905T193727_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T193729_20210905T193918_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T19395_20210905T193918_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T19359_20210905T20032_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T201309_20210905T201322_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T201318_20210905T201381_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T201381_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T201381_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T201381_20210905T202510_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T201341_20210905T202540_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T203541_20210905T203541_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210905T2132540_Z0210905T213301_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR	CS_OFFL_SIR_LRM_1B_20210905T175003_20210905T180231_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T183725_20210905T183725_LDDDDST183735_EDDDDST183735_EDDDDST183735_EDDDDST183735_EDDDDST183735_EDDDDST185335_EDDDST18535_EDDDST18535_EDDDST1855_EDDDST	CS_OFFL_SIR_LRM_1B_20210905T183421_20210905T183713_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T183753_20210905T198328_E001	CS_OFFL_SIR_LRM_1B_20210905T183715_20210905T183722_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T184348_20210905T19100T_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T193727_20210905T193737_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T193729_20210905T193737_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T193792_20210905T193738_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T19349_20210905T2032E_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T201309_20210905T201722_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T201309_20210905T201722_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T201818_20210905T201822_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T20183_20210905T201831_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T20183_20210905T201831_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T20183_20210905T20183_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T20213_20210905T202182_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T20213_20210905T202837_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T202505_202_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T210574_20210905T210322_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T210572_005T210505_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213034_20210905T213031_E001  Loss of echo	CS_OFFL_SIR_LRM_1B_20210905T183725_20210905T183751_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T195531_20210905T19378Z_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T19378Z_20210905T19378Z_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T19378S_20210905T19565S_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T19589S_20210905T20003Z_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T20905T200003Z_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T20188J_20210905T20003Z_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T20188J_20210905T20182Z_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T20183J_20210905T20183J_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T20183J_20210905T20183J_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T20183J_20210905T20212J_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T20213J_2010905T20263T_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T20254J_20210905T20263T_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T20457S_20210905T20303L_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T214320_2010905T20303L_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213249_20210905T213281_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213249_20210905T213816_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234049_20210905T234049_E001	CS_OFFL_SIR_LRM_1B_20210905T183753_20210905T184011_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20210905T193729_20210905T193918_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210905T194359_20210905T195655_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210905T194359_20210905T20032_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210905T201302_20210905T201722_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210905T201818_20210905T201822_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210905T20183_20210905T201832_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210905T201834_20210905T201831_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210905T201342_20210905T201831_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210905T20131_20210905T201831_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210905T20131_20210905T201831_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210905T202131_20210905T20219_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210905T2031_20210905T20590_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210905T213207_20210905T213031_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210905T213207_20210905T213205_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210905T213249_20210905T213856_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210905T21349_20210905T215915_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20210905T234042_E0010  Loss of echo	CS_OFFL_SIR_LRM_1B_20210905T184348_20210905T185328_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T193729_20210905T195655_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T195819_20210905T200032_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T201309_20210905T200122_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T201818_20210905T201822_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T201818_20210905T201821_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T201818_20210905T201821_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T201825_20210905T201821_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T20131_20210905T202180_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T202514_20210905T202510_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T20514_20210905T205902_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213027_20210905T213031_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213249_20210905T213816_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T215154_20210905T215815_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T21540457_20210905T215815_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T2154047_20210905T215815_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234043_20210905T234044_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234043_20210905T234044_E001 Loss of echo The tra		Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T194359_20210905T20032_E001  CS_OFFL_SIR_LRM_1B_20210905T201309_20210905T20032_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T201818_20210905T201822_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T201818_20210905T201822_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T201825_20210905T201831_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T201834_20210905T201831_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T202134_20210905T202129_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T202131_20210905T202510_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T202134_20210905T202510_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T205748_20210905T205731_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T205748_20210905T20301_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T210457_20210905T213321_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213207_20210905T2133216_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213240_20210905T213366_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213240_20210905T213866_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T233234_20210905T234040_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234047_20210905T234046_E001  Loss of echo  The tracking echo is missing for one or more		Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210905T195819_20210905T201302_E001  CS_OFFL_SIR_LRM_18_20210905T201309_20210905T201722_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T201818_20210905T201822_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T201825_20210905T201831_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T201834_20210905T202129_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T201834_20210905T202510_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T20514_20210905T20537_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T205748_20210905T205902_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T205748_20210905T203031_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T210457_20210905T213031_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T213207_20210905T213222_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T2132095T213216_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T213249_20210905T213816_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T21594_20210905T215856_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T233034_20210905T234040_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T234040_20210905T234040_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210905T234043_20210905T234044_E001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210905T193729_20210905T193918_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T201309_20210905T201722_E001	CS_OFFL_SIR_LRM_1B_20210905T194359_20210905T195655_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T201818_20210905T201822_E001  CS_OFFL_SIR_LRM_1B_20210905T201834_20210905T201821_E001  CS_OFFL_SIR_LRM_1B_20210905T201834_20210905T202129_E001  CS_OFFL_SIR_LRM_1B_20210905T202131_20210905T202510_E001  CS_OFFL_SIR_LRM_1B_20210905T202514_20210905T202510_E001  CS_OFFL_SIR_LRM_1B_20210905T202514_20210905T202637_E001  CS_OFFL_SIR_LRM_1B_20210905T202514_20210905T202637_E001  CS_OFFL_SIR_LRM_1B_20210905T205748_20210905T202637_E001  CS_OFFL_SIR_LRM_1B_20210905T205748_20210905T205902_E001  CS_OFFL_SIR_LRM_1B_20210905T2010457_20210905T213031_E001  CS_OFFL_SIR_LRM_1B_20210905T213207_20210905T213222_E001  CS_OFFL_SIR_LRM_1B_20210905T213207_20210905T213222_E001  CS_OFFL_SIR_LRM_1B_20210905T213249_20210905T213816_E001  CS_OFFL_SIR_LRM_1B_20210905T215154_20210905T215915_E001  CS_OFFL_SIR_LRM_1B_20210905T215900_20210905T215915_E001  CS_OFFL_SIR_LRM_1B_20210905T2050722409_20210905T232437_E001  CS_OFFL_SIR_LRM_1B_20210905T232324_001905T234040_E001  CS_OFFL_SIR_LRM_1B_20210905T234043_20210905T234044_E001  CS_OFFL_SIR_LRM_1B_20210905T234045_20210905T234044_E001  CS_OFFL_SIR_LRM_1B_20210905T234045_20210905T234248_E001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is miss	CS_OFFL_SIR_LRM_1B_20210905T195819_20210905T200032_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T201835_20210905T201831_E001  CS_OFFL_SIR_LRM_1B_20210905T201834_20210905T202129_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T202131_20210905T202510_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T202514_20210905T202637_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T205748_20210905T20502_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T210457_20210905T213031_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213207_20210905T213222_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213249_20210905T213222_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213249_20210905T213816_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T215154_20210905T215856_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T22409_20210905T222437_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234043_20210905T234044_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234047_20210905T234044_E001  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 t	CS_OFFL_SIR_LRM_1B_20210905T201309_20210905T201722_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T201834_20210905T202510_E001  CS_OFFL_SIR_LRM_1B_20210905T202514_20210905T202510_E001  CS_OFFL_SIR_LRM_1B_20210905T202514_20210905T202637_E001  CS_OFFL_SIR_LRM_1B_20210905T205748_20210905T205902_E001  CS_OFFL_SIR_LRM_1B_20210905T205748_20210905T205902_E001  CS_OFFL_SIR_LRM_1B_20210905T205748_20210905T203031_E001  CS_OFFL_SIR_LRM_1B_20210905T210457_20210905T213031_E001  CS_OFFL_SIR_LRM_1B_20210905T213207_20210905T213031_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213207_20210905T213222_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213249_20210905T213816_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213249_20210905T215856_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T215154_20210905T215856_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T215900_20210905T215915_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T220409_20210905T22437_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T233234_20210905T234044_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234047_20210905T234044_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234047_20210905T234054_E001  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			
CS_OFFL_SIR_LRM_1B_20210905T202131_20210905T202510_E001  CS_OFFL_SIR_LRM_1B_20210905T202514_20210905T202637_E001  CS_OFFL_SIR_LRM_1B_20210905T205748_20210905T205902_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T205748_20210905T205902_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T210457_20210905T213031_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213207_20210905T213202_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213249_20210905T21322E_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213249_20210905T213816_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T215154_20210905T215856_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T215900_20210905T215915_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234040_20210905T222437_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234043_20210905T234044_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234047_20210905T234044_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234047_20210905T234044_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234047_20210905T234044_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234045_E001  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_20210905T234056_20210905T234048_E001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo i			
CS_OFFL_SIR_LRM_1B_20210905T202514_20210905T205092_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T205748_20210905T213031_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213207_20210905T213031_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213207_20210905T213222_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213249_20210905T213816_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T215154_20210905T215856_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T215900_20210905T215915_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T220409_20210905T22437_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T233234_20210905T234040_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234043_20210905T234044_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234043_20210905T234054_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234047_20210905T234054_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234047_20210905T234054_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234056_20210905T234054_E001 Loss of echo The tracking echo is missing for one or more records			•
CS_OFFL_SIR_LRM_1B_20210905T205748_20210905T205902_E001  CS_OFFL_SIR_LRM_1B_20210905T210457_20210905T213031_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213207_20210905T213222_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213249_20210905T213222_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T215154_20210905T213816_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T215154_20210905T215915_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T215900_20210905T215915_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234049_20210905T234040_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234043_20210905T234044_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234047_20210905T234054_E001  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_20210905T234047_20210905T234054_E001  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_20210905T234056_20210905T234054_E001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210905T202131_20210905T202510_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T210457_20210905T213031_E001  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_20210905T213249_20210905T213816_E001  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_20210905T215900_20210905T215915_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T220409_20210905T222437_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T233034_20210905T234040_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234043_20210905T234044_E001  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_20210905T234047_20210905T234054_E001  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_20210905T234056_20210905T234054_E001  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_20210905T234056_20210905T234054_E001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210905T202514_20210905T202637_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T213207_20210905T213222_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T213249_20210905T213816_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T215154_20210905T215856_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T215900_20210905T215915_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T220409_20210905T222437_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T233234_20210905T234040_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234043_20210905T234044_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234047_20210905T234054_E001  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_20210905T234047_20210905T234054_E001  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_20210905T205748_20210905T205902_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T213249_20210905T213816_E001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210905T210457_20210905T213031_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T215154_20210905T215856_E001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210905T213207_20210905T213222_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T215900_20210905T215915_E001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210905T213249_20210905T213816_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T220409_20210905T222437_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T233234_20210905T234040_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234043_20210905T234044_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234047_20210905T234054_E001  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_20210905T215154_20210905T215856_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T233234_20210905T234040_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234043_20210905T234044_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234047_20210905T234054_E001  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_20210905T215900_20210905T215915_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T234043_20210905T234044_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234047_20210905T234054_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234056_20210905T234248_E001 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_20210905T220409_20210905T222437_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T234047_20210905T234054_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210905T234056_20210905T234248_E001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210905T233234_20210905T234040_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T234056_20210905T234248_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210905T234043_20210905T234044_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20210905T234047_20210905T234054_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210905T234252_20210906T000711_E001 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_20210905T234252_20210906T000711_E001	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.

#### 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:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20210905T034825_20210905T035013_E001	IECHO EFFOR IEK ECHO EFFOR	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20210905T102120_20210905T102629_E001	IECHO EFFOR IEK ECHO EFFOR	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20210905T215154_20210905T215856_E001	IECHO EFFOR IEK ECHO EFFOR	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

# 5. Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

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

Number of products with errors:

#### 5.2 L2 Product Header Analysis

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

Number of products with errors:

### 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: 185

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220210904T233430_20210905T000709_E001	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_220210905T002021_20210905T002153_E001	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_220210905T002205_20210905T002725_E001	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_220210905T003033_20210905T004420_E001	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_220210905T004433_20210905T004950_E001	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_220210905T011533_20210905T014704_E001	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_220210905T025342_20210905T031451_E001	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_220210905T031736_20210905T032911_E001	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_220210905T033827_20210905T034139_E001	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_220210905T035737_20210905T040343_E001	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_220210905T040531_20210905T041540_E001	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_220210905T043313_20210905T050305_E001	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_220210905T050320_20210905T050921_E001	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_220210905T052059_20210905T055317_E001	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_220210905T061534_20210905T062714_E001	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_220210905T062917_20210905T063953_E001	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_220210905T070138_20210905T071754_E001	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_220210905T080721_20210905T081003_E001	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_220210905T081431_20210905T082356_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210905T082358_20210905T082850_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210905T084032_20210905T084248_E001	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_220210905T084411_20210905T085001_E001	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_220210905T085245_20210905T085524_E001	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_220210905T085530_20210905T091527_E001	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_220210905T093120_20210905T095524_E001	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_220210905T100536_20210905T100618_E001	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_220210905T103038_20210905T105456_E001	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_220210905T111048_20210905T113517_E001	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_220210905T114221_20210905T114841_E001	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_220210905T120241_20210905T123246_E001	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_220210905T125814_20210905T130505_E001	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_220210905T132545_20210905T132736_E001	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_220210905T133930_20210905T141239_E001	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_220210905T143048_20210905T144617_E001	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_220210905T150444_20210905T150633_E001	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_220210905T151645_20210905T152805_E001	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_220210905T153051_20210905T154644_E001	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_220210905T154649_20210905T155144_E001	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_220210905T160915_20210905T162828_E001	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_220210905T162906_20210905T163342_E001	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_220210905T163433_20210905T164145_E001	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_220210905T165536_20210905T171417_E001	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_220210905T171451_20210905T173103_E001	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_220210905T175003_20210905T180231_E001	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_220210905T180335_20210905T182030_E001	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_220210905T183421_20210905T183713_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210905T184348_20210905T185328_E001	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_220210905T185531_20210905T191007_E001	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_220210905T192729_20210905T193727_E001	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_220210905T194359_20210905T195655_E001	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_220210905T195819_20210905T200032_E001	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_220210905T201834_20210905T202129_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210905T203453_20210905T204855_E001	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_220210905T210457_20210905T213031_E001	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_220210905T220409_20210905T222437_E001	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_220210905T224342_20210905T231039_E001	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_220210905T234252_20210906T000711_E001	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_SAR_220210905T001128_20210905T001909_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T001946_20210905T002021_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T004951_20210905T005340_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T005753_20210905T010025_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T011059_20210905T011532_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T015051_20210905T015731_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T015731_20210905T015907_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T020239_20210905T020307_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T020431_20210905T020544_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220210905T021103_20210905T021242_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T022446_20210905T022734_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T023543_20210905T023956_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T024939_20210905T025342_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T031451_20210905T031736_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T032911_20210905T033631_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T033631_20210905T033827_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T034140_20210905T034824_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T035014_20210905T035026_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T040344_20210905T040530_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T041540_20210905T042000_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T043052_20210905T043312_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T050305_20210905T050319_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T050922_20210905T051037_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T051054_20210905T051528_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210905T051529_20210905T051643_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T052034_20210905T052058_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T055317_20210905T060016_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T061116_20210905T061216_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T061527_20210905T061534_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T062714_20210905T062917_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T064850_20210905T065404_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T065404_20210905T065530_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T072938_20210905T073338_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T073352_20210905T073418_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T073459_20210905T073516_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210905T075035_20210905T075142_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T080541_20210905T080720_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210905T081004_20210905T081222_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T081222_20210905T081430_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T082850_20210905T083017_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210905T083038_20210905T083458_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220210905T083714_20210905T083803_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T085001_20210905T085121_E001	Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
	Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2),	
CS_OFFL_SIR_SAR_2_20210905T091527_20210905T091737_E001	Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T092946_20210905T093120_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210905T100618_20210905T100624_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T100624_20210905T100958_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T101016_20210905T101423_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T105457_20210905T105715_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T110837_20210905T111048_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T114842_20210905T115503_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T123246_20210905T123659_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T124757_20210905T124956_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T125421_20210905T125814_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T131334_20210905T131618_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210905T131713_20210905T131817_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T132206_20210905T132242_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T132405_20210905T132434_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T132820_20210905T133607_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T141240_20210905T141640_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T142627_20210905T143047_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210905T145531_20210905T145726_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T145918_20210905T145946_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T145947_20210905T150228_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210905T150324_20210905T150443_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210905T150634_20210905T150743_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T150809_20210905T151644_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210905T152806_20210905T153050_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210905T155145_20210905T155358_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210905T160529_20210905T160914_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210905T163343_20210905T163432_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210905T232135_20210905T232959_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210905T233022_20210905T233233_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20210905T000710_20210905T001128_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210905T001910_20210905T001945_E001	Backscatter Error (Retracker ∠), Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20210905T002154_20210905T002204_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SIN_220210905T010025_20210905T010150_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T010946_20210905T011058_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T014705_20210905T014801_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210905T014855_20210905T015050_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220210905T020124_20210905T020200_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220210905T020308_20210905T020430_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220210905T020952_20210905T021103_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220210905T023957_20210905T024122_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T024636_20210905T024938_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T042001_20210905T042305_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T042539_20210905T043051_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error packscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T051037_20210905T051053_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210905T060017_20210905T060251_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T060447_20210905T060644_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T060952_20210905T061115_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T063954_20210905T064235_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210905T065530_20210905T065646_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T065854_20210905T070138_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T073339_20210905T073352_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220210905T073517_20210905T074124_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T074408_20210905T074423_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T074853_20210905T075034_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T083018_20210905T083038_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210905T083459_20210905T083714_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T083803_20210905T084031_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210905T085122_20210905T085244_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220210905T091738_20210905T091919_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T092801_20210905T092945_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20210905T095525_20210905T095755_E001	SARIn X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220210905T095838_20210905T095956_E001	SARIn X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records

CS_OFFL_SIR_SIN_2_20210905T100958_20210905T101015_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210905T101424_20210905T101908_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210905T105716_20210905T105848_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20210905T110021_20210905T110135_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T110557_20210905T110837_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20210905T115503_20210905T120240_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210905T123700_20210905T124049_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20210905T124637_20210905T124757_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20210905T131818_20210905T131846_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20210905T132243_20210905T132405_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20210905T132505_20210905T132544_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210905T132737_20210905T132819_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20210905T133607_20210905T133720_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220210905T133803_20210905T133930_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20210905T141641_20210905T141955_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20210905T142509_20210905T142626_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20210905T144618_20210905T144758_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20210905T150743_20210905T150809_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20210905T155359_20210905T155816_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T160416_20210905T160529_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210905T162829_20210905T162905_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220210905T232959_20210905T233021_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records