

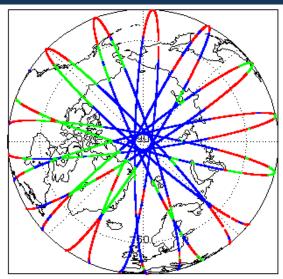
1. Overview

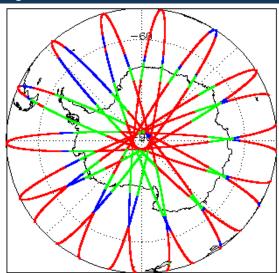
Report Production Date:	28-May-2020
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

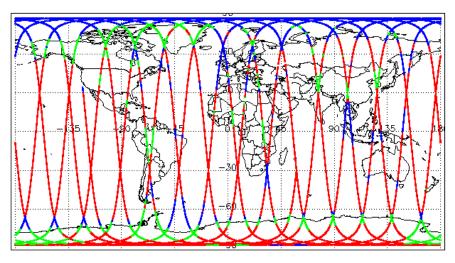
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

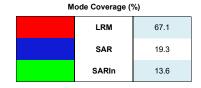
Mission / Instrument News		
27-Apr-2020	None	
28-Apr-2020	None	
29-Apr-2020	Nothing planned	

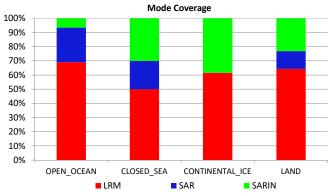
2. Global Coverage

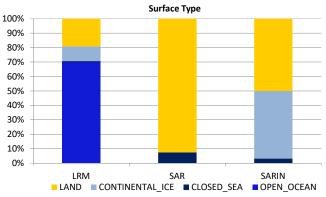












3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

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:

0

4.4 L1B Tracking Flags Check

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

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

lumber of products with errors: 1

Co. OFT. SRL Mail 8. 20000428701185 200004287	Product	Test Failed	Description
C8_OFF_SR_LRM_18_20200428701123_20200428701232_0001	CS_OFFL_SIR_LRM_1B_20200428T011256_20200428T011558_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_2000428701229_2000428701239_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000428701238_20000428701254_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000428701258_20000428701254_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000428701258_20000428701254_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000428701258_2000428701371_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000428701258_2000428701371_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20004287012580_2000428701371_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000428702580_20000428702570_001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000428702580_20000428702570_001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000428702580_20000428702570_001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000428703800_2000042870350_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000428703800_2000042870350_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000428704800_2000042870490_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000428704800_2000042870490_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000428704800_2000042870490_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000428704800_200042870490_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000428704800_2000428704000000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20200428T011631_20200428T011826_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LRM_18_20200428701234_202004287012552_0001 CS_OFFL_SR_LRM_18_20200428701254_202004287012552_0001 CS_OFFL_SR_LRM_18_202004287012548_202004287012562_0001 CS_OFFL_SR_LRM_18_202004287012548_202004287012562_0001 CS_OFFL_SR_LRM_18_202004287012548_202004287012562_0001 CS_OFFL_SR_LRM_18_202004287012548_202004287012571_0001 CS_OFFL_SR_LRM_18_202004287012577_2020042870125714_0001 CS_OFFL_SR_LRM_18_202004287025657_2020042870125714 CS_OFFL_SR_LRM_18_202004287025657_202004287025714 CS_OFFL_SR_LRM_18_202004287025657_202004287025714 CS_OFFL_SR_LRM_18_202004287025657_202004287025714 CS_OFFL_SR_LRM_18_202004287025657_202004287025714 CS_OFFL_SR_LRM_18_202004287025657_202004287025714 CS_OFFL_SR_LRM_18_202004287025652_202004287025714 CS_OFFL_SR_LRM_18_202004287025652_202004287025710559_0001 CS_OFFL_SR_LRM_18_20200428703055_202004287025759_0001 CS_OFFL_SR_LRM_18_20200428703055_202004287025759_0001 CS_OFFL_SR_LRM_18_20200428703055_202004287025759_0001 CS_OFFL_SR_LRM_18_20200428703055_20200428703055_0001 CS_OFFL_SR_LRM_18_20200428703055_202000428703055_0001 CS_OFFL_SR_LRM_18_20200428703055_202000428703055_0001 CS_OFFL_SR_LRM_18_20200428703055_202000428703055_0001 CS_OFFL_SR_LRM_18_20200428703055_202000428703055_0001 CS_OFFL_SR_LRM_18_20200428703055_202000428703055_0001 CS_OFFL_SR_LRM_18_20200428703055_202000428703055_0001 CS_OFFL_SR_LRM_18_20200428703055_20200042	CS_OFFL_SIR_LRM_1B_20200428T011913_20200428T012327_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20004287012554_20004287012556_0001 CS_OFFL_SIR_LRM_18_20004287012558_20000428701256_0001 CS_OFFL_SIR_LRM_18_20004287012717_20004287012506_0001 CS_OFFL_SIR_LRM_18_20004287012717_20004287012506_0001 CS_OFFL_SIR_LRM_18_20004287012708_20004287012506_0001 CS_OFFL_SIR_LRM_18_20004287012508_20004287012511_0001 CS_OFFL_SIR_LRM_18_20004287012508_20004287012511_0001 CS_OFFL_SIR_LRM_18_20004287012508_20004287012511_0001 CS_OFFL_SIR_LRM_18_20004287012508_20004287012511_0001 CS_OFFL_SIR_LRM_18_20004287012509_20004287012519_0001 CS_OFFL_SIR_LRM_18_20004287012509_20004287012519_0001 CS_OFFL_SIR_LRM_18_20004287012509_20004287012519_0001 CS_OFFL_SIR_LRM_18_20004287012508_20004287012509_0001 CS_OFFL_SIR_LRM_18_20004287012508_20004287012509_0001 CS_OFFL_SIR_LRM_18_20004287012508_20004287012509_0001 CS_OFFL_SIR_LRM_18_20004287012508_20004287012509_0001 CS_OFFL_SIR_LRM_18_20004287012508_20004287012509_0001 CS_OFFL_SIR_LRM_18_20004287012508_20004287012509_0001 CS_OFFL_SIR_LRM_18_200042870450840_2000428701450_0001 CS_OFFL_SIR_LRM_18_200042870450840_2000428704450_0001 CS_OFFL_SIR_LRM_18_200042870450840_2000428706409_0001 CS_OFFL_SIR_LRM_18_2000428705508_2000428705590_0001 CS_OFFL_SIR_LRM_18_2000428705508_2000428705	CS_OFFL_SIR_LRM_1B_20200428T012329_20200428T012343_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202004287102582_20004287102562_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202004287102562_20004287102562_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202004287102562_20004287103711_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202004287102560_20004287025114_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428702550_2000428702511_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428702560_20200428702538_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428702560_20200428702538_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428703582_20200428703583_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428703582_20200428703583_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428703582_20200428703583_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428703582_20200428703593_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428703582_20200428703593_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428703593_20200428703592_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428703593_20200428703592_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428703593_20200428703593_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428703593_20200428703593_D011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428703593_20200428703593_D011 Loss of echo The tracking echo is missing for one or more records CS_	CS_OFFL_SIR_LRM_1B_20200428T012346_20200428T012532_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SIR_LRM_IB_202004287012484_2020428701360_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20200428701277_20200428701371_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20200428702500_20200428701371_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20200428702500_20200428702511_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20200428702500_20200428702578_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20200428702500_20200428702780_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20200428704262_20200428704780_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20200428704622_2020042870476_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20200428704622_2020042870476_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20200428704692_2020042870476442_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20200428704692_2020042870470_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20200428704992_20200428705690_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_202004287056912_20200428705690_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_202004287056912_20200428705690_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_202004287056910_20200428705690_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_202004287056912_202004287056910_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_202004287059012_202004287056921_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200428T012534_20200428T012536_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_202004281012717_202004281013015_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202004281025057_20200428102514_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202004281025505_202004281025738_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202004281025508_202004281025738_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202004281035582_20200428103538_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428103568_20200428103538_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428103568_20200428103538_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428103588_20200428103500_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428103588_20200428103500_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428103500_20200428105500_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428103500_20200428105500_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428105500_20200428105500_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428105500_20200428105500_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428105500_20200428105500_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202000428105500_20200428105500_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428105500_2020428105500_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428100500_2020428105500_D001 Loss of echo The tracking echo is missing for one	CS_OFFL_SIR_LRM_1B_20200428T012538_20200428T012544_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20200428T012808_20200428T018711_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T025057_20200428T02811_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T025058_20200428T025878_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T030358_20200428T032803_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T030588_20200428T032803_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T0450588_20200428T032803_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T045058_20200428T04425_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T045058_20200428T04425_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T045058_20200428T054000_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T0450582_20200428T055050_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055582_20200428T055680_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055584_20200428T055680_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055584_20200428T055680_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055584_20200428T055680_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055584_20200428T055680_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055642_20200428T065821_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T064032_20200428T064320_D001 Loss of echo The tracki	CS_OFFL_SIR_LRM_1B_20200428T012548_20200428T012652_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20200428T025507_20200428T025514_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T025502_20200428T0255736_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T0305586_20200428T035539_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T0305586_20200428T035539_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T041622_20200428T041746_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T041622_20200428T041746_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T044505_20200428T044750_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T045056_20200428T04450_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T04505_20200428T05600_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055512_20200428T055502_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055512_20200428T055508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055512_20200428T055508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055512_20200428T055522_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T05550504_20200428T055522_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T05550504_20200428T05550504_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T05050504_20200428T05050504_200004 CS_OFFL_SIR_LRM_18_20200428T05050504_20200428T05050504_200004 Loss of echo The tracking echo is missing for one or m	CS_OFFL_SIR_LRM_1B_20200428T012717_20200428T012806_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20200428T025500_20200428T025517_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T025508_20200428T025736_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T030356_20200428T033503_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T030368_20200428T043503_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T043588_20200428T043701_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T043588_20200428T043701_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T0435856_20200428T04425_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T045656_20200428T056400_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055518_20200428T055500_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055518_20200428T055500_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055518_20200428T055500_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055518_20200428T055500_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055519_20200428T055510_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T0505124_20200428T065321_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T003124_20200428T065321_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T003132_20200428T065320_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T003137_20200428T085030_0001 Loss	CS_OFFL_SIR_LRM_1B_20200428T012808_20200428T013711_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20200428T025628_20200428T030380_D001 CS_OFFL_SIR_LRM_18_20200428T030385_20200428T030280_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T030385_20200428T030280_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T030385_20200428T04746_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T04565_20200428T047071_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T04565_20200428T050400_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T04505_20200428T050500_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T0450512_122000428T050500_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055518_20200428T050500_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055518_20200428T055502_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055518_20200428T055500_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T0555664_20200428T055740_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055664_20200428T055740_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T065664_20200428T055740_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T065664_20200428T065740_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T073040_20200428T073728_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T073040_20200428T080026_D001 Loss of echo The tracking echo is missing for one or more	CS_OFFL_SIR_LRM_1B_20200428T025057_20200428T025114_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20200428T03056_20200428T030539_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T041625_20200428T041742_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T041625_20200428T041742_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T044858_20200428T043701_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T04425_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T04425_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T05512_20200428T055050_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055512_20200428T055508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055512_20200428T055508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055514_20200428T055504_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055054_20200428T055540_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T055054_20200428T055540_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T050512_20200428T055154_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T07540_20200428T057540_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T075406_20200428T061228_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T06142_2000428T061322_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T061403_20200428T0613039_D001 Loss of echo The tracking echo is missing for one or more r	CS_OFFL_SIR_LRM_1B_20200428T025500_20200428T025617_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T03054B_20200428T047144_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T043944_20200428T043701_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T043944_20200428T043701_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T043944_20200428T05904042D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T054909_2000428T059040_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T0550512_20200428T055050_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T055512_20200428T0550502_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T0555612_20200428T055608_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T055604_20200428T055608_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T055604_20200428T055740_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T065064_20200428T065740_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T06124_20200428T06124_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T070013_20200428T071744_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T070013_20200428T08160628_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T081392_20200428T081329_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T081392_20200428T081390_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T081392_20200428T081304_D001 Loss of echo The tracking echo is m	CS_OFFL_SIR_LRM_1B_20200428T025628_20200428T025736_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T041625_20200428T04746_D001	CS_OFFL_SIR_LRM_1B_20200428T030356_20200428T030539_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T043944_20200428T044425_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T044425_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T055112_20200428T05505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T055112_20200428T055505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T05512_2000428T055502_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T055524_20200428T055561_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T055610_20200428T055645_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T055610_20200428T055645_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T056525_20200428T0556740_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T062955_20200428T06429_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T070013_20200428T079144_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T070132_20200428T079128_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T0793034_20200428T0890626_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T081404_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T081404_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T081403_20200428T081439_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T08130357_20200428T081404_D001 Loss of echo The tracking echo is missing for one or more records CS	CS_OFFL_SIR_LRM_1B_20200428T030548_20200428T032803_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T043944_20200428T055560_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T055112_20200428T055550_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T0555112_20200428T055552_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T055512_20200428T055522_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T055512_20200428T055508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T055512_20200428T055608_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T055504_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T055504_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T0655524_D000428T055040_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T065124_20200428T06521_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T073034_20200428T073728_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T073034_20200428T073728_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T081432_D000428T081422_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T081232_D000428T08122B_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T081373_20200428T081359_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T081303_D00428T081301_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T081400_20200428T081501_D001 Loss of echo The trackin	CS_OFFL_SIR_LRM_1B_20200428T041625_20200428T041746_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T04505_20200428T05500_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T055518_20200428T055502_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T0555524_20200428T055508_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T055554_20200428T0555645_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T0555610_20200428T0555645_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T055654_20200428T055740_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T056564_20200428T056521_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T065124_20200428T065321_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T070013_20200428T0744_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T073034_20200428T073728_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T073034_20200428T081028_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T081392_20200428T081342_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T081357_20200428T081359_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T081359_20200428T081359_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T0810810_20200428T0813501_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T0810802_20200428T0810910_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T0809027_20200428T0809025_D001 Loss of echo Th	CS_OFFL_SIR_LRM_1B_20200428T043658_20200428T043701_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_IB_20200428T193226_20200428T194157_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200428T202342_20200428T202340_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200428T202342_20200428T202340_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200428T202342_20200428T202455_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200428T202550_20200428T202621_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200428T203232_20200428T203629_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200428T203631_20200428T204037_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200428T203631_20200428T204037_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200428T204006_20200428T204037_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200428T21052_D000428T210635_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200428T210701_20200428T210903_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200428T211050_20200428T211050_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200428T211055_20200428T211050_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200428T2111050_20200428T2111050_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200428T2111050_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20200428T2111050_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_202	CS_OFFL_SIR_LRM_1B_20200428T192631_20200428T192635_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T194359_20200428T20234_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T20234_20200428T202401_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T202403_20200428T202455_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T202403_20200428T202455_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T202253_20200428T202621_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T203223_20200428T203629_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T20323_20200428T203639_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T203631_20200428T204037_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T201025_20200428T20420_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T210701_20200428T210905_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T210701_20200428T210905_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211052_0200428T21105_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211105_0200428T211105_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211105_0200428T211105_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211105_0200428T211105_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211356_0200428T211505_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211515_02000428T211517_D001 Loss of echo The tracking echo	CS_OFFL_SIR_LRM_1B_20200428T192639_20200428T192819_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_2020428T202039_2020428T202340_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2020428T202342_2020428T202455_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2020428T202455_2020428T20455_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2020428T20323_20200428T203629_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2020428T20323_20200428T203629_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2020428T203631_20200428T204037_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T204206_20200428T204520_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T210125_20200428T204520_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T210701_20200428T210635_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T210701_20200428T210903_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T211050_20200428T211050_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T211050_20200428T2111050_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T2111050_20200428T211150_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T211356_20200428T211450_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20200428T215159_20200428T21517_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is		Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T202342_20200428T202455_D001 CS_OFFL_SIR_LRM_1B_20200428T202550_20200428T202621_D001 CS_OFFL_SIR_LRM_1B_20200428T202550_20200428T202621_D001 CS_OFFL_SIR_LRM_1B_20200428T202550_20200428T203629_D001 CS_OFFL_SIR_LRM_1B_20200428T203223_20200428T203629_D001 CS_OFFL_SIR_LRM_1B_20200428T203623_D000128T204037_D001 CS_OFFL_SIR_LRM_1B_20200428T204206_20200428T204550_D001 CS_OFFL_SIR_LRM_1B_20200428T204206_20200428T204550_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T21105_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T21105_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T21105_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T21105_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T21105_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T21105_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T21105_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T21105_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T21105_D001 CS_OFFL_SIR_LRM_1B_20200428T21105_20200428T21105_D001 CS_OFFL_SIR_LRM_1B_20200428T21105_20200428T21105_D001 CS_OFFL_SIR_LRM_1B_20200428T21105_20200428T21105_D001 CS_OFFL_SIR_LRM_1B_20200428T21105_20200428T21105_D001 CS_OFFL_SIR_LRM_1B_20200428T21105_D001 CS_OFFL_SIR_LRM_1B_20200428T21105_D001 CS_OFFL_SIR_LRM_1B_20200428T21105_D001 CS_OFFL_SIR_LRM_1B_20200428T21105_D001 CS_OFFL_SIR_LRM_1B_20200428T21135_D001 CS_OFFL_SIR_LRM_1B_20200428T21135_D001 CS_OFFL_SIR_LRM_1B_20200428T21135_D001 CS_OFFL_SIR_LRM_1B_20200428T215159_D001 CS_OFFL_SIR_LRM_1B_20200428T215159_20200428T21517_D001 CS_OFFL_SIR_LRM_1B_20200428T215159_20200428T21515_D001 CS_OFFL_SIR_LRM_1B_20200428T215159_20200428T21515_D001 CS_OFFL_SIR_LRM_1B_20200428T215159_20200428T21515_D001 CS_OFFL_SIR_LRM_1B_20200428T215159_20200428T21515_D001 CS_OFFL_SIR_LRM_1B_20200428T215159_D00200428T21515_D001 CS_OFFL_SIR_LRM_1B_20200428T215159_D00200428T21515_D001 CS_OFFL_SIR_LRM_1B_20200428T215159_D00200428T21550_D001 CS_OFFL_SIR_LRM_1B_20200428T215159_D00200428T21550_D001 CS_OFFL_SIR_LRM_1B_20200428T215159_D00	CS_OFFL_SIR_LRM_1B_20200428T194359_20200428T195115_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T202403_20200428T202455_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T20323_20200428T203629_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T20323_20200428T203629_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T203631_20200428T204037_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T204206_20200428T204520_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo i		Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T202550_20200428T203629_D001 CS_OFFL_SIR_LRM_1B_20200428T203631_20200428T204037_D001 CS_OFFL_SIR_LRM_1B_20200428T203631_20200428T204037_D001 CS_OFFL_SIR_LRM_1B_20200428T204206_20200428T204520_D001 CS_OFFL_SIR_LRM_1B_20200428T204206_20200428T204520_D001 CS_OFFL_SIR_LRM_1B_20200428T204206_20200428T210635_D001 CS_OFFL_SIR_LRM_1B_20200428T210125_20200428T210635_D001 CS_OFFL_SIR_LRM_1B_20200428T210701_20200428T210903_D001 CS_OFFL_SIR_LRM_1B_20200428T210701_20200428T21050_D001 CS_OFFL_SIR_LRM_1B_20200428T210906_20200428T211050_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T211055_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T211055_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T211050_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T211050_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T211050_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T211050_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T211050_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T211050_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T211050_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T211150_D001 CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T211150_D001 CS_OFFL_SIR_LRM_1B_20200428T21150_D000428T211150_D001 CS_OFFL_SIR_LRM_1B_20200428T21150_D000428T21170_D001 CS_OFFL_SIR_LRM_1B_20200428T21150_20200428T21170_D001 CS_OFFL_SIR_LRM_1B_20200428T215150_20200428T215150_D0001 CS_OFFL_SIR_LRM_1B_20200428T215150_D000428T221517_D001 CS_OFFL_SIR_LRM_1B_20200428T221516_20200428T221524_D001 CS_OFFL_SIR_LRM_1B_20200428T221526_20200428T221520_D001 CS_OFFL_SIR_LRM_1B_20200428T221526_20200428T221510_D001 CS_OFFL_SIR_LRM_1B_20200428T221526_20200428T22150_D001 CS_OFFL_SIR_LRM_1B_20200428T221526_20200428T22150_D001 CS_OFFL_SIR_LRM_1B_20200428T221526_20200428T22150_D001 CS_OFFL_SIR_LRM_1B_20200428T221526_20200428T22150_D001 CS_OFFL_SIR_LRM_1B_20200428T221506_2000428T22150_D001 CS_OFFL_SIR_LRM_1B_20200428T221506_2000428T22150_D001 CS_OFFL_SIR_LRM_1B_20200428T221506_2000428T22150_D001 CS_OFFL_SIR_			
CS_OFFL_SIR_LRM_1B_20200428T203223_20200428T204037_D001 CS_OFFL_SIR_LRM_1B_20200428T203631_20200428T204037_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T204206_20200428T204502_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T210125_20200428T210635_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T210701_20200428T210903_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T210906_20200428T211050_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211050_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T211055_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211058_20200428T211105_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211109_20200428T211159_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211356_20200428T211459_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T214610_20200428T21515_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T215159_20200428T21517_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200428T202403_20200428T202455_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T204631_20200428T204520_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T20125_20200428T210635_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T210701_20200428T210903_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T210701_20200428T210903_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T210906_20200428T211050_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T211055_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211058_20200428T21107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211105_20200428T211105_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211105_20200428T211159_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211356_20200428T211459_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T214610_20200428T214735_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T215159_20200428T221517_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T221519_20200428T221517_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T221519_20200428T221519_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T221519_D000428T221515_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or m	CS_OFFL_SIR_LRM_1B_20200428T202550_20200428T202621_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20200428T210701_20200428T210903_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200428T204206_20200428T204520_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20200428T211052_20200428T211055_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T2111058_20200428T211107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211109_20200428T211159_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211356_20200428T211459_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T214610_20200428T214735_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T215159_20200428T221517_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T221519_20200428T221524_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200428T210701_20200428T210903_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T211058_20200428T211107_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211109_20200428T211159_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T211356_20200428T211459_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T214610_20200428T214735_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T215159_20200428T221517_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T221519_20200428T221524_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200428T210906_20200428T211050_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20200428T211356_20200428T211459_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T215159_20200428T221517_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T221519_20200428T221524_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T221519_20200428T221524_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200428T211058_20200428T211107_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T214610_20200428T214735_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T215159_20200428T221517_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T221519_20200428T221524_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200428T211109_20200428T211159_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T215159_20200428T221517_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T221519_20200428T221524_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T221526_20200428T221915_D001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200428T211356_20200428T211459_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T221519_20200428T221524_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200428T221526_20200428T221915_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200428T214610_20200428T214735_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T221526_20200428T221915_D001 Loss of echo The tracking echo is missing for one or more records		Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20200428T221519_20200428T221524_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T221919_20200428T222639_D001 Loss of echo The tracking echo is missing for one or more records			
	CS_OFFL_SIR_LRM_1B_20200428T221919_20200428T222639_D001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20200428T224410_20200428T224800_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T225151_20200428T231748_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200428T233109_20200428T235830_D001	Loss of echo	The tracking echo is missing for one or more records

4.5 L1B Calibration Usage Check

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

Number of products with errors:

4.6 L1B Auxilary Data File Usage Check

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

Number of products with errors:

0

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:

0

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:

2

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200428T091302_20200428T091448_D001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20200428T193226_20200428T194157_D001	IECHO EFFOR TRK 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:

0

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: 5

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220200427T234320_20200428T000857_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T002241_20200428T005625_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T012346_20200428T012532_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T020153_20200428T023533_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

CS_OFFL_SIR_LRM_220200428T024906_20200428T025003_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T030548_20200428T032803_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T034109_20200428T041534_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T042720_20200428T042826_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T043944_20200428T044425_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T044505_20200428T050400_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T052112_20200428T055050_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20200428T061005_20200428T062847_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220200428T062925_20200428T064239_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200428T070013_20200428T071544_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200428T071746_20200428T072707_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200428T075406_20200428T080626_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20200428T083934_20200428T085414_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200428T090717_20200428T090925_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20200428T090927_20200428T091258_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200428T093242_20200428T093953_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220200428T094116_20200428T100529_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200428T101903_20200428T104440_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20200428T104812_20200428T105241_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200428T105404_20200428T105440_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200428T111758_20200428T114355_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200428T115756_20200428T122523_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200428T125029_20200428T132311_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20200428T141400_20200428T141501_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200428T142820_20200428T150221_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220200428T151548_20200428T153505_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T155311_20200428T155336_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T160714_20200428T163540_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T163545_20200428T164046_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220200428T165503_20200428T172209_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T172340_20200428T173103_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T174719_20200428T174907_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T174952_20200428T175757_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T180237_20200428T180440_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
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CS_OFFL_SIR_LRM_2_20200428T180458_20200428T181314_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200428T183834_20200428T185056_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T185245_20200428T190124_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T193226_20200428T194157_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20200428T194359_20200428T195115_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220200428T201428_20200428T201742_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200428T202550_20200428T202621_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20200428T203223_20200428T203629_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20200428T203631_20200428T204037_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20200428T204206_20200428T204520_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20200428T210701_20200428T210903_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20200428T210906_20200428T211050_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20200428T211052_20200428T211055_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200428T212224_20200428T213817_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T215159_20200428T221517_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T221526_20200428T221915_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200428T224059_20200428T224355_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20200428T225151_20200428T231748_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220200428T233109_20200428T235830_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records