

# 02/09/2021



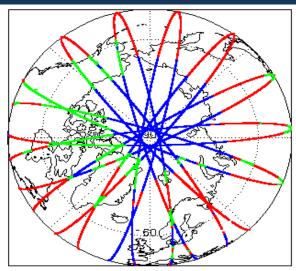
# 1. Overview

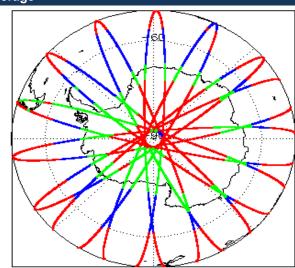
Report Production Date:	01-Oct-2021
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

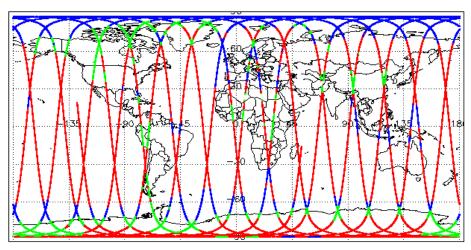
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check	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

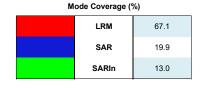
Mission / Inst	rument News
01-Sep-2021	None
02-Sep-2021	None
03-Sep-2021	Nothing planned

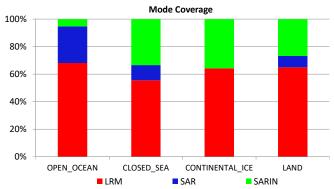
# 2. Global Coverage

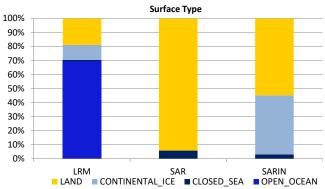












### 3. Instrument Configuration

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:

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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:

Co. OFT. SIR. LPM. 18. 2021/00/27/01/17/28. 2021/00/27/01/18/2 E/D01   Loss of exho   The tracking echo is missing for one or more records	Product	Test Failed	Description
CS_OFFL_SIR_LRM_18_20210002701235_20210002701230_E001  CS_OFFL_SIR_LRM_18_202100027012325_20210002701230_E001  CS_OFFL_SIR_LRM_18_202100027012325_20210002701230_E001  CS_OFFL_SIR_LRM_18_202100027012325_20210002701230_E001  CS_OFFL_SIR_LRM_18_202100027012325_20210002701230_E001  CS_OFFL_SIR_LRM_18_202100027012325_20210002701230_E001  CS_OFFL_SIR_LRM_18_202100027012325_20210002701230_E001  CS_OFFL_SIR_LRM_18_20210002701235_20210002701230_E001  CS_OFFL_SIR_LRM_18_20210002701230_20210002701230_E001  CS_OFFL_SIR_LRM_18_202100027027030_202100027025000  CS_OFFL_SIR_LRM_18_20210002702500_202100027025000  CS_OFFL_SIR_LRM_18_202100027025000_202100027025000  CS_OFFL_SIR_LRM_18_202100027025000_202100027000500_E001  CS_OFFL_SIR_LRM_18_202100027000500_202100027000500_E001  CS_OFFL_SIR_LRM_18_202100027005000_202100027000500_E001  CS_OFFL_SIR_LRM_18_202100027005000_202100027000500_E001  CS_OFFL_SIR_LRM_18_202100027005000_202100027000500_E001  CS_OFFL_SIR_LRM_18_202100027005000_202100027000500_E001  CS_OFFL_SIR_LRM_18_202100027005000_202100027005050_E001  CS_OFFL_SIR_LRM_18_202100027005000_202100027005050_E001  CS_OFFL_SIR_LRM_18_202100027005000_202100027050500_E001  CS_OFFL_SIR_LRM_18_202100027005000_202100027005050_E001  CS_OFFL_SIR_LRM_18_202100027005000_202100027050500_E001  CS_OFFL_SIR_LRM_18_202100027005000_202100027050500_E001  CS_OFFL_SIR_LRM_18_202100027050000_202100027050500_E001  CS_OFFL_SIR_LRM_18_202100027050000_202100027050500_E001  CS_OFFL_SIR_LRM_18_202100027050000_20210002705000_E001  CS_OFFL_SIR_LRM_18_202100027050000_20210002705000_E001  CS_OFFL_SIR_LRM_18_202100027050000_20210002705000_E001  CS_OFFL_SIR_LRM_18_2021000270705000_20210002705000_E001  CS_OFFL_SIR_LRM_18_2021000270705000_202100027000414_E001  CS_OFFL_SIR_LRM_18_2021000270705000_202100027000414_E001  CS_OFFL_SIR_LRM_18_2021000270705000_202100027000414_E001  CS_OFFL_SIR_LRM_18_2021000270705000_202100027000414_E001  CS_OFFL_SIR_LRM_18_2021000270705000_202100027000000000000000000000000000			
CS, OFFL, SIR, LRM, 18, 202109027101264, 20210902701232, E001  CS, OFFL, SIR, LRM, 18, 202109027101232, 202109027012723, E001  CS, OFFL, SIR, LRM, 18, 202109027101249, 202109027012723, E001  CS, OFFL, SIR, LRM, 18, 202109027101249, 202109027012723, E001  CS, OFFL, SIR, LRM, 18, 202109027101269, 202109027012723, E001  CS, OFFL, SIR, LRM, 18, 202109027101269, 20210902702522, E001  CS, OFFL, SIR, LRM, 18, 20210902702590, 20210902702590, E001  CS, OFFL, SIR, LRM, 18, 20210902702590, 20210902703590, E001  CS, OFFL, SIR, LRM, 18, 20210902703593, 20210902703100, E001  CS, OFFL, SIR, LRM, 18, 20210902703593, 20210902703100, E001  CS, OFFL, SIR, LRM, 18, 20210902703593, 20210902703593, E001  CS, OFFL, SIR, LRM, 18, 20210902703593, 20210902703573, E001  CS, OFFL, SIR, LRM, 18, 20210902703593, 20210902703573, E001  CS, OFFL, SIR, LRM, 18, 20210902703593, 20210902705373, E001  CS, OFFL, SIR, LRM, 18, 20210902705373, 20210902705373, E001  CS, OFFL, SIR, LRM, 18, 20210902705753, 20210902705053, E001  CS, OFFL, SIR, LRM, 18, 20210902705479, 202109027054014, E001  CS, OFFL, SIR, LRM, 18, 20210902707053, 20210902705053, E001  CS, OFFL, SIR, LRM, 18, 20210902707053, 2	CS_OFFL_SIR_LRM_1B_20210902T011728_20210902T011952_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LPM_18_20210002701232_20210002701220_E001  CS_OFFL_SIR_LPM_18_20210002701232_20210002701220_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LPM_18_20210002701232_20210002701228_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LPM_18_202100027012569_20210002702428_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LPM_18_202100027012692_20210002702428_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LPM_18_20210002703500_20210002703003_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LPM_18_20210002703000_20210002703003_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LPM_18_20210002703000_20210002700300_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LPM_18_20210002703300_20210002700300_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LPM_18_20210002703300_20210002703300_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LPM_18_20210002703300_20210002703300_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LPM_18_20210002703500_20210002703301_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LPM_18_20210002703500_20210002703301_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LPM_18_20210002703500_20210002703301_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LPM_18_20210002703500_20210002703301_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LPM_18_20210002703300_20210002703331_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LPM_18_20210002703300_20210002705331_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LPM_18_20	CS_OFFL_SIR_LRM_1B_20210902T012026_20210902T012102_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_2021090271012482_021090271012498_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202109027102498_022109027102428_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202109027102409_020109027102429_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902703090_02010902702629_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902703090_02010902703003_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902703032_20210902703030_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902703032_20210902703030_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902703032_20210902703039_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902703032_2021090270339_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202109027030302_2021090270339_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902703598_2021090270339_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902703598_20210902703539_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902703598_20210902703539_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902703598_202109027035913_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902703598_202109027035913_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202109027035938_202109027035913_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202109027035938_20210902703593_E001 Loss of echo The tracking echo is missing for	CS_OFFL_SIR_LRM_1B_20210902T012254_20210902T012300_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210902T01548_20210902T01428_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T015589_20210902T015698_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T025004_20210902T025098_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T035900_20210902T035008_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T030350_20210902T030003_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T030350_20210902T031000_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T033050_20210902T031000_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T033050_20210902T035309_E010 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T03309_20210902T03539_E010 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T035390_20210902T03539_E010 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T035390_20210902T03539_E010 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T03590_20210902T03539_E010 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T03590_20210902T03539_E010 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T03530_20210902T03538_E010 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T03530_20210902T03518_E010 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T03530_20210902T03538_E010 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T073319_20210902T07358_E010 Loss of echo The tracking echo is missing for one or mo	CS_OFFL_SIR_LRM_1B_20210902T012302_20210902T012321_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T013659_20210902T04328_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T025903_20210902T030003_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T030303_20210902T030003_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T030332_20210902T030303_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T030332_20210902T030389_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T033332_20210902T033389_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T033352_20210902T033389_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T033352_20210902T03339_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T033590_20210902T03339_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T033390_20210902T03339_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T033390_20210902T034277_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T033390_20210902T03427_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T033390_20210902T004741_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T03339_20210902T004715_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T03319_20210902T004715_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T073319_20210902T074115_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T073319_E00102T041500_E001  Loss of echo T	CS_OFFL_SIR_LRM_1B_20210902T012323_20210902T012408_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SIR_LRM_1B_2021002T02716_2021002T024219_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_1B_2021002T025604_2021002T030031_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_1B_2021002T0303324_2021002T030031_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_1B_2021002T0303324_2021002T030031_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_1B_2021002T0303324_2021002T030031_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_1B_2021002T030532_2021002T03038_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_1B_2021002T034002_20210002T03438_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_1B_20210002T03550_20210002T03399_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_1B_20210002T03500_20310902T03399_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_1B_20210002T03002_0021002T030391_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_1B_20210002T03002_0021002T00319_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_1B_20210002T03333_20210002T004718_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_1B_20210002T07048_20210002T060134_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_1B_20210002T070430_2010002T06014_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_1B_20210002T070430_2010002T070474_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_1B_20210002T07035_E002T07035_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_1B_20210002T07035_E002T07035_E001  Loss of echo  The tracking echo is missing fo	CS_OFFL_SIR_LRM_1B_20210902T012549_20210902T012723_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T025004_20210902T030003_E001	CS_OFFL_SIR_LRM_1B_20210902T013659_20210902T014328_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LEM_18_20210902T030334_20210902T030015_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210902T030334_20210902T030015_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210902T030332_20210902T0303185_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210902T034502_20210902T03338_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210902T034502_20210902T03338_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210902T03539_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210902T053902_2010902T03339_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210902T053902_20210902T054227_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210902T054708_20210902T064122_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210902T054708_20210902T064141_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210902T070448_20210902T071740_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210902T070448_20210902T071740_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210902T070438_20210902T070445_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210902T070438_20210902T070446_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210902T070435_20210902T082433_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210902T07045155_20210902T082443_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20210902T091315_20210902T091335_E001  Loss of	CS_OFFL_SIR_LRM_1B_20210902T020716_20210902T024219_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210902T030734_20210902T030758_E01  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T030758_20210902T030358_E01  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T034202_20210902T03358_E01  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T052550_20210902T05379_E011  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T053900_20210902T05379_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T053909_20210902T05391_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T053909_20210902T054227_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T063332_20210902T06427_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T063332_20210902T06471_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T065510_20210902T0747140_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T07448_20210902T074740_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T073319_20210902T073058_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T07319_20210902T073058_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T073192_20210902T0704115_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T070449_20210902T0906102_S001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T091319_20210902T091318_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T091319_20210902T091318_E001  Loss of echo	CS_OFFL_SIR_LRM_1B_20210902T025604_20210902T025629_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_202109027030756_20210902703358_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202109027033352_20210902703358_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202109027053900_202109027053738_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202109027053900_202109027053738_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202109027053900_202109027053738_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202109027053900_20210902705427_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202109027053938_20210902706427_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202109027063733_20210902706474_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202109027070448_202109027077140_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202109027070448_202109027077145_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2021090270707448_2021090270707458_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2021090270707345_2021090270707458_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2021090270707349_2021090270707458_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2021090270707349_2021090270707458_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2021090270707349_2021090270907180_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202109027091352_2021090270907180_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_202109027091352_20210	CS_OFFL_SIR_LRM_1B_20210902T025903_20210902T030003_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210902T033352_20210902T053359_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T052550_20210902T05339_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T053900_20210902T053991_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T053900_20210902T054227_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T054788_20210902T054227_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T054788_20210902T06427_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T056510_20210902T065714_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T07448_20210902T07740_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T07335_20210902T07740_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T07335_20210902T07740_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T07335_20210902T073058_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T073516_20210902T073058_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T073516_20210902T091242_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T09135_20210902T091335_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T09135_20210902T091335_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T09135_20210902T09135_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210902T09135_20210902T09135_E001 Loss of echo The tracking echo is missing for one or	CS_OFFL_SIR_LRM_1B_20210902T030324_20210902T030613_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210902T034802_20210902T05373_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T05390_20210902T05373_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T05390_20210902T05422_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T05478_20210902T06914_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T06478_20210902T06914_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T070448_20210902T06714_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T070448_20210902T07174_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T070448_20210902T07174_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T073135_20210902T073058_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T073135_20210902T07315_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T07315_20210902T07315_2010902T07315_2010902T07315_2010902T07315_2010902T07315_2010902T07315_2010902T07315_2010902T07315_2010902T07316_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T091021_20210902T090138_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T09135_20210902T09135_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T09135_20210902T09135_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T09135_20210902T09135_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20210902T09135_20210902T091402_E001  Loss of echo  The tracki	CS_OFFL_SIR_LRM_1B_20210902T030756_20210902T031000_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T053590_20210902T063739_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T053900_20210902T06342E_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T064708_20210902T06474E_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T064708_20210902T06474E_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T064708_20210902T06474E_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T07448_20210902T07410_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T072135_20210902T07410_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T073319_20210902T074119_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T073319_20210902T074119_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T073319_20210902T091022_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T073319_20210902T0912032_3_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091301_20210902T091318_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091312_20210902T091315_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091321_20210902T091335_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091332_20210902T091335_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091332_20210902T091320_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091332_20210902T091402_E001 Loss of echo The track	CS_OFFL_SIR_LRM_1B_20210902T033352_20210902T033859_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T053905_20210902T053951_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T053958_20210902T060134_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T063323_20210902T060134_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T063523_20210902T067474_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T07448_20210902T071740_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T072135_20210902T071740_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T072135_20210902T073058_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T073136_20210902T073058_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T073136_20210902T081203_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T081555_20210902T081203_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T081555_20210902T08168_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T090440_2010902T091318_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091318_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091318_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091355_20210902T091355_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091355_20210902T091355_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091355_20210902T091355_E001  Loss of echo  The tracki	CS_OFFL_SIR_LRM_1B_20210902T034602_20210902T042138_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T053958_20210902T064034_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T06510_20210902T065716_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T06510_20210902T065716_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T070448_20210902T07140_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T070748_20210902T071740_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T072135_20210902T073155_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T073319_20210902T073155_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T07316_20210902T078123_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T081555_20210902T08243_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T081555_20210902T090816_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091315_20210902T091318_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091315_20210902T091318_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091315_20210902T091318_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T09132_2010902T091318_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T09135_20210902T09135_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T09135_20210902T091400_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091403_20210902T091400_E001	CS_OFFL_SIR_LRM_1B_20210902T052550_20210902T053739_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T054708_20210902T065716_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T065510_20210902T065716_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T070448_20210902T071740_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T072135_20210902T073058_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T073319_20210902T073058_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T073319_20210902T074115_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T075316_20210902T081023_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091552_2010902T081023_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T0910120_202109021091244_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091315_20210902T091318_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091315_20210902T091335_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091335_20210902T091335_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091352_20210902T091353_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091353_20210902T091400_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091402_20210902T091400_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091403_20210902T091405_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091403_20210902T09	CS_OFFL_SIR_LRM_1B_20210902T053900_20210902T053951_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20210902T091201_20210902T091318_E001  CS_OFFL_SIR_LRM_1B_20210902T091315_20210902T091318_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  CS_OFFL_SIR_LRM_1B_20210902T091352_20210902T091353_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091352_20210902T091400_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091403_20210902T091420_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091422_20210902T092028_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091422_20210902T092028_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T093308_20210902T094150_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T10438_20210902T100826_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T101438_20210902T101957_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T105018_20210902T105033_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  CS_OFFL_SIR_LRM_1B_20210902T105018_20210902T105033_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	CS_OFFL_SIR_LRM_1B_20210902T081555_20210902T082433_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T091315_20210902T091318_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091352_20210902T091353_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091352_20210902T091353_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091357_20210902T091400_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091403_20210902T091420_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091422_20210902T091420_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091422_20210902T092028_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T09308_20210902T094150_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T094223_20210902T10826_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T10438_20210902T104752_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T105018_20210902T105033_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_20210902T105018_20210902T105033_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_20210902T105018_20210902T105033_E001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210902T090440_20210902T090816_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T091321_20210902T091350_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091352_20210902T091353_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091357_20210902T091400_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091403_20210902T091420_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T091422_20210902T092028_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T093308_20210902T094150_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T094223_20210902T100826_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T101438_20210902T101957_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T101438_20210902T104752_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T105018_20210902T105033_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_20210902T105124_20210902T105715_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_20210902T105124_20210902T105715_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210902T091201_20210902T091244_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20210902T091403_20210902T091420_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T093308_20210902T094150_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T094223_20210902T100826_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T094223_20210902T100826_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T101438_20210902T101957_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T102448_20210902T10575_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T105018_20210902T105033_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	CS_OFFL_SIR_LRM_1B_20210902T091352_20210902T091353_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20210902T093308_20210902T100826_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T101438_20210902T101957_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T101438_20210902T101957_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T102448_20210902T104752_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T105018_20210902T105033_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_20210902T091403_20210902T091420_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T1094223_20210902T100826_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T101438_20210902T101957_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T102448_20210902T104752_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T105018_20210902T105033_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	CS_OFFL_SIR_LRM_1B_20210902T091422_20210902T092028_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20210902T102448_20210902T104752_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T105018_20210902T105715_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20210902T105124_20210902T105715_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210902T094223_20210902T100826_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20210902T105124_20210902T105715_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210902T102448_20210902T104752_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20210902T105018_20210902T105033_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T105715_20210902T105836_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210902T105124_20210902T105715_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20210902T105715_20210902T105836_E001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20210902T111922_20210902T111926_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T111930_20210902T111936_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T111938_20210902T111944_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20210902T111947 20210902T111959 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T112002_20210902T112053_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20210902T112055 20210902T112057 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T112100_20210902T114707_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T112100_20210902T114707_E001	Loss of echo	
CS_OFFL_SIR_LRM_1B_20210902T123058_20210902T123350_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_202109021123038_202109021123330_E001  CS_OFFL_SIR_LRM_1B_20210902T123424_20210902T124120_E001		•
	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T134926_20210902T135858_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T135921_20210902T135933_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T135935_20210902T140422_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T140605_20210902T140655_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T141029_20210902T141146_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T141158_20210902T141226_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T141226_20210902T141329_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T141612_20210902T141625_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T154240_20210902T154628_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T154631_20210902T154737_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T154805_20210902T154941_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T154943_20210902T154947_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T160900_20210902T164401_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T174716_20210902T180200_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T180641_20210902T180852_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T181002_20210902T182335_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T184138_20210902T185500_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T185714_20210902T185855_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T185908_20210902T191425_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T192636_20210902T193340_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T193639_20210902T194419_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T194422_20210902T194519_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T194523_20210902T194531_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T194534_20210902T194702_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T202206_20210902T202245_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T202518_20210902T203130_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T203606_20210902T203609_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T203615_20210902T203623_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T203625_20210902T203626_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T203629_20210902T204053_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T204337_20210902T204925_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T210437_20210902T210500_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T210516_20210902T210906_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T210910_20210902T211358_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T211757_20210902T211858_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T215720_20210902T222004_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T222006_20210902T222017_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T222019_20210902T2222447_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T222651_20210902T223048_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T223210_20210902T223217_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T224755_20210902T225236_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210902T232910_20210902T233235_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:

# 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

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_20210902T053958_20210902T054227_E001	IECHO ERROR IRK ECHO ERROR	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20210902T090440_20210902T090816_E001		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.

0

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: 22

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220210901T234646_20210902T001113_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_220210902T002733_20210902T010115_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_220210902T011233_20210902T011725_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_220210902T012323_20210902T012408_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210902T012549_20210902T012723_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_220210902T014942_20210902T014952_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_220210902T020716_20210902T024219_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_220210902T025208_20210902T025430_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_220210902T031219_20210902T032838_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_220210902T034602_20210902T042138_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_220210902T043158_20210902T043324_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_220210902T044355_20210902T050635_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_220210902T052550_20210902T053739_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_220210902T053900_20210902T053951_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_220210902T053958_20210902T054227_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_220210902T054708_20210902T060134_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_220210902T061404_20210902T063130_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_220210902T063323_20210902T064741_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_220210902T070448_20210902T071740_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_220210902T071901_20210902T071933_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_220210902T072135_20210902T073058_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_220210902T075316_20210902T081023_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_2_20210902T081555_20210902T082433_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_220210902T090440_20210902T090816_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_220210902T091422_20210902T092028_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210902T093308_20210902T094150_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_220210902T094223_20210902T100826_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_220210902T102448_20210902T104752_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_220210902T110111_20210902T110129_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_220210902T112100_20210902T114707_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_220210902T120326_20210902T123056_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_220210902T123058_20210902T123350_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210902T123424_20210902T124120_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_220210902T125326_20210902T132512_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_220210902T141730_20210902T142029_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_220210902T143220_20210902T144127_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_220210902T144405_20210902T150520_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_2_20210902T152305_20210902T153912_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_2_20210902T155716_20210902T155755_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_220210902T160900_20210902T164401_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_220210902T170321_20210902T173507_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_220210902T174716_20210902T180200_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_220210902T180641_20210902T180852_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_220210902T181002_20210902T182335_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_220210902T184138_20210902T185500_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_220210902T185714_20210902T185855_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_220210902T185908_20210902T191425_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_220210902T193639_20210902T194419_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_220210902T194534_20210902T194702_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_220210902T194841_20210902T200226_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_220210902T202518_20210902T203130_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_220210902T203629_20210902T204053_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_220210902T204216_20210902T204220_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_220210902T204337_20210902T204925_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_220210902T205048_20210902T205252_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_220210902T210910_20210902T211358_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210902T212037_20210902T214046_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_220210902T215720_20210902T222004_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_220210902T225646_20210902T232024_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_220210902T233623_20210903T000852_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_SAR_220210902T001114_20210902T001305_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_220210902T002445_20210902T002733_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_220210902T010423_20210902T011153_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_20210902T011213_20210902T011233_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_220210902T012103_20210902T012254_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_220210902T012409_20210902T012549_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_220210902T014329_20210902T014620_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_220210902T014743_20210902T014942_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_220210902T014953_20210902T015312_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_220210902T020318_20210902T020716_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_220210902T024220_20210902T024955_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_220210902T024955_20210902T025117_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_220210902T025629_20210902T025853_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_220210902T030116_20210902T030324_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_220210902T032839_20210902T033238_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_220210902T034215_20210902T034602_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_220210902T042139_20210902T042854_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_220210902T042854_20210902T043158_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_220210902T043325_20210902T044355_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_220210902T050635_20210902T051333_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_220210902T052348_20210902T052550_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_220210902T053739_20210902T053900_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_220210902T054227_20210902T054708_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_220210902T060135_20210902T060746_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_220210902T060746_20210902T060854_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_220210902T063130_20210902T063322_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_220210902T064742_20210902T064943_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_220210902T065005_20210902T065202_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_20210902T070355_20210902T070448_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_20210902T071741_20210902T071900_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_220210902T071934_20210902T072124_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_220210902T072129_20210902T072134_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_220210902T074115_20210902T074402_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_20210902T074402_20210902T074805_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_220210902T075104_20210902T075248_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_20210902T082830_20210902T083106_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_220210902T084309_20210902T084432_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_220210902T085930_20210902T090158_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_220210902T090211_20210902T090439_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_220210902T092029_20210902T092153_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_220210902T092153_20210902T092720_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_20210902T094151_20210902T094223_E001	Backscatter Error (Retracker 2), 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_20210902T100826_20210902T101040_E001	Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
-	Backscatter Error (Retracker 3)	

CS_OFFL_SIR_SAR_2 _20210902T102232_20210902T102448_E001	Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210902T105837_20210902T110042_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 2 20210902T110129 20210902T110214 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_2_20210902T110237_20210902T110737_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_2_20210902T114707_20210902T114959_E001	Backscatter Error (Retracker 3)  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_220210902T120134_20210902T120326_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_220210902T124121_20210902T124938_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_220210902T132513_20210902T132949_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210902T134001_20210902T134231_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_220210902T134635_20210902T134926_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_220210902T140656_20210902T141028_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_220210902T141330_20210902T141612_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_220210902T142030_20210902T142833_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_220210902T144128_20210902T144405_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_220210902T150521_20210902T150855_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_20210902T151857_20210902T152305_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_220210902T154738_20210902T154804_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_220210902T154948_20210902T155310_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_220210902T155311_20210902T155716_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_220210902T155755_20210902T155850_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_220210902T160112_20210902T160859_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_220210902T164402_20210902T164601_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_220210902T165742_20210902T170321_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_220210902T174015_20210902T174715_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_220210902T180201_20210902T180641_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_20210902T180853_20210902T181002_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_20210902T182335_20210902T182425_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_220210902T183532_20210902T184138_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_220210902T185500_20210902T185714_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_220210902T185856_20210902T185908_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_220210902T191425_20210902T191434_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_220210902T191454_20210902T191714_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_220210902T191931_20210902T192353_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_220210902T192353_20210902T192636_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_220210902T194702_20210902T194841_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_20210902T200226_20210902T200341_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_20210902T201904_20210902T201906_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_20210902T204221_20210902T204336_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_20210902T205806_20210902T210436_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_20210902T211858_20210902T212037_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_20210902T214047_20210902T214247_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_20210902T215506_20210902T215720_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_20210902T223630_20210902T224131_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_20210902T224131_20210902T224541_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_20210902T232025_20210902T232218_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_220210902T233358_20210902T233623_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_220210902T001305_20210902T001433_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_220210902T001930_20210902T001937_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210902T002306_20210902T002445_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_220210902T010116_20210902T010228_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_220210902T010310_20210902T010422_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_20210902T011154_20210902T011213_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_220210902T015313_20210902T015432_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_20210902T020002_20210902T020318_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_20210902T025118_20210902T025208_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_220210902T025431_20210902T025604_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_220210902T030004_20210902T030115_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_220210902T031000_20210902T031218_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_220210902T033238_20210902T033352_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_220210902T033900_20210902T034215_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_220210902T051334_20210902T051610_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_220210902T051805_20210902T052347_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_220210902T060854_20210902T061024_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_220210902T061246_20210902T061404_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_220210902T064943_20210902T065004_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_220210902T065202_20210902T065510_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_220210902T065717_20210902T065811_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20210902T070219_20210902T070355_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_20210902T073058_20210902T073319_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_220210902T074806_20210902T074912_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_220210902T075006_20210902T075104_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_220210902T075248_20210902T075316_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_20210902T082433_20210902T082451_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_20210902T083106_20210902T083310_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_220210902T084122_20210902T084309_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_220210902T090817_20210902T091201_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_220210902T092720_20210902T093308_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_220210902T101040_20210902T101157_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_20210902T101402_20210902T101437_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20210902T101958_20210902T102232_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_20210902T105034_20210902T105124_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_220210902T110043_20210902T110111_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_20210902T110214_20210902T110237_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_20210902T110738_20210902T111922_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_20210902T115000_20210902T115120_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_220210902T115217_20210902T115406_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210902T120011_20210902T120134_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_20210902T124939_20210902T125325_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_20210902T132950_20210902T133316_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_20210902T133844_20210902T134001_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_220210902T141625_20210902T141712_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_20210902T141718_20210902T141730_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_220210902T142834_20210902T143102_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_20210902T143129_20210902T143219_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_220210902T150856_20210902T151217_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_220210902T151734_20210902T151857_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_220210902T153913_20210902T154239_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_220210902T155851_20210902T160111_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_20210902T164602_20210902T164746_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_220210902T165627_20210902T165741_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_20210902T173508_20210902T173614_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_220210902T173910_20210902T174015_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_220210902T182426_20210902T182601_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_220210902T183151_20210902T183153_E001		An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210902T183332_20210902T183531_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_220210902T191434_20210902T191454_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_220210902T191714_20210902T191930_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_220210902T193340_20210902T193639_E001	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_220210902T200341_20210902T200528_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_220210902T201049_20210902T201055_E001		An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210902T201106_20210902T201108_E001		An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210902T201210_20210902T201904_E001		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_220210902T202009_20210902T202206_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_220210902T202246_20210902T202518_E001		An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records

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CS_OFFL_SIR_SIN_220210902T203131_20210902T203603_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_220210902T204054_20210902T204216_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_220210902T205253_20210902T205806_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_220210902T211359_20210902T211757_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_220210902T214248_20210902T214556_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_220210902T214949_20210902T214955_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20210902T215244_20210902T215505_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_20210902T223218_20210902T223629_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_220210902T225237_20210902T225420_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_20210902T232218_20210902T232341_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_220210902T232904_20210902T232909_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210902T233236_20210902T233357_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