

1. Overview

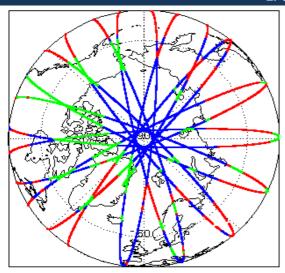
Report Production Date:	23-May-2023
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

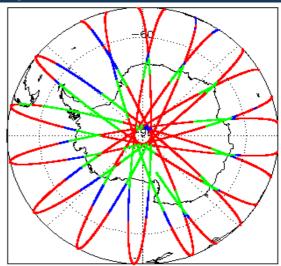
We would love to hear from you!
Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com

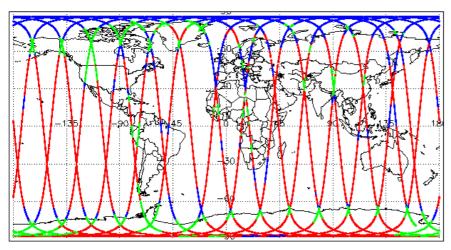
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File Usage Check	Nominal
L1B & L2 Auxiliary Correction Error Check	See Section 4.7 and 5.4
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

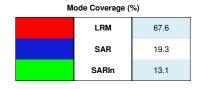
Mission / Instru	ment News
21-Apr-2023	None
22-Apr-2023	None
23-Apr-2023	Nothing planned

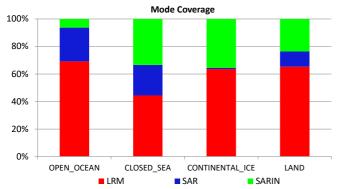
2. Global Coverage

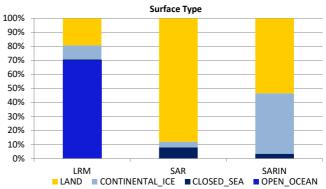












3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

(

4.2 L1B Product Header Analysis

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

Number of products with errors:

0

4.3 Star Tracker Usage Check

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

Number of products with errors:

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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:

CS. OFFL. SRI. LRM. 19. 202042700049. 202042700218. E001 CS. OFFL. SRI. LRM. 19. 202042700205 202042700218. E001 CS. OFFL. SRI. LRM. 19. 202042700205 202042700218. E001 CS. OFFL. SRI. LRM. 19. 202042700206 2020422700218. E001 CS. OFFL. SRI. LRM. 19. 202042700204 2020422700204 E001 CS. OFFL. SRI. LRM. 19. 202042700204 2020422700205 E001 CS. OFFL. SRI. LRM. 19. 202042700204 2020422700205 E001 CS. OFFL. SRI. LRM. 19. 202042700204 2020422700205 E001 CS. OFFL. SRI. LRM. 19. 202042700200 20200422700205 E001 CS. OFFL. SRI. LRM. 19. 202042700030 20200422700000 E001 CS. OFFL. SRI. LRM. 19. 202042701030 20200422700000 E001 CS. OFFL. SRI. LRM. 19. 202042701030 20200422700200 E001 CS. OFFL. SRI. LRM. 19. 202042701030 2020042270000 E001 CS. OFFL. SRI. LRM. 19. 202042701030 2020042270000 E001 CS. OFFL. SRI. LRM. 19. 202042701030 20200422701050 E001 CS. OFFL. SRI. LRM. 19. 202042701030 20200422701050 E001 CS. OFFL. SRI. LRM. 19. 202042701037 202042270150 E001 CS. OFFL. SRI. LRM. 19. 202042701037 202042270150 E001 CS. OFFL. SRI. LRM. 19. 202042701039 2020042270150 E001 CS. OFFL. SRI. LRM. 19. 202042701039 202004270150 E001 CS. OFFL. SRI. LRM. 19. 202042701039 202004270150 E001 CS. OFFL. SRI. LRM. 19. 2020427270161 2020002270161 E001 CS. OFFL. SRI. LRM. 19. 2020427270161 2020	Product	Test Failed	Description
CS_OFFL_SR_LRM_1B_20200422700005_2020042700041_E001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRM_1B_202004227000494_20200422700305_E001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRM_1B_202004227003944_20200422700395_E001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRM_1B_20200422700395_2020042700395_E001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRM_1B_20200422700395_2020042700395_E001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRM_1B_20200422700395_20200427004095_E001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRM_1B_202004227004035_202004227004040_E001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRM_1B_202004227010432_202004270040040_E001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRM_1B_202004227010432_202004270104004_E001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRM_1B_202004227011437_20200427010400_E001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRM_1B_202004227011437_20200427010500_E001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRM_1B_202004227011437_20200427010500_E001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRM_1B_202004227011437_20200427010500_E001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRM_1B_202004227011437_E002004270150500_E001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRM_1B_20200422701150500_202004270115050_E001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRM_1B_2020042270115050_E00200427011505_E001 Loss of echo The tracking echo is missing for one or more records OS_OFFL_SR_LRM_1B_202004227001505_E00200427011505_E001 Loss of echo The tracking echo is m	CS_OFFL_SIR_LRM_1B_20230422T000418_20230422T001945_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SIR_LRM_IB_2020422700244_202042700345_E001 CS_OFF_SIR_LRM_IB_2020422700344_202042700345_E001 CS_OFF_SIR_LRM_IB_2020422700342700345_E001 CS_OFF_SIR_LRM_IB_20204227003042700300_2020342700395_E001 CS_OFF_SIR_LRM_IB_2020422700300_2020342700395_E001 CS_OFF_SIR_LRM_IB_2020422700300_202000_202042700395_E001 CS_OFF_SIR_LRM_IB_2020422700300_202000_202042700395_E001 CS_OFF_SIR_LRM_IB_2020422700300_202000_202042700395_E001 CS_OFF_SIR_LRM_IB_2020422700300_202000_202042700300_E001 CS_OFF_SIR_LRM_IB_2020422700396_2020042700400_E001 CS_OFF_SIR_LRM_IB_2020422700396_202042700400_E001 CS_OFF_SIR_LRM_IB_2020422700396_202042700400_E001 CS_OFF_SIR_LRM_IB_2020422700403_E001 CS_OFF_SIR_LRM_IB_2020422700403_E001 CS_OFF_SIR_LRM_IB_20204227004103_E001 CS_OFF_SIR_LRM_IB_20204227013410_2020422701580_E001 CS_OFF_SIR_LRM_IB_20204227013410_2020422701580_E001 CS_OFF_SIR_LRM_IB_20204227013410_2020422701580_E001 CS_OFF_SIR_LRM_IB_2020422701583_2020422701580_E001 CS_OFF_SIR_LRM_IB_2020422701583_2020422701580_E001 CS_OFF_SIR_LRM_IB_2020422701583_2020422701580_E001 CS_OFF_SIR_LRM_IB_2020422701583_2020422701580_E001 CS_OFF_SIR_LRM_IB_2020422701583_2020422701580_E001 CS_OFF_SIR_LRM_IB_2020422701583_2020422701580_E001 CS_OFF_SIR_LRM_IB_2020422701583_2020422701580_E001 CS_OFF_SIR_LRM_IB_2020422701610_2020422701615_E001 CS_OFF_SIR_LRM_IB_2020422701610_2020422701615_E001 CS_OFF_SIR_LRM_IB_2020422701610_2020422701615_E001 CS_OFF_SIR_LRM_IB_2020422701610_2020422701615_E001 CS_OFF_SIR_LRM_IB_2020422701610_2020422701615_E001 CS_OFF_SIR_LRM_IB_2020422701610_2020422701615_E001 CS_OFF_SIR_LRM_IB_2020422701610_2020422701615_E001 CS_OFF_SIR_LRM_IB_2020422701610_2020422701615_E001 CS_OFF_SIR_LRM_IB_2020422701610_2020422701610_E001 CS_OFF_SIR_LRM_IB_2020422701610_2020422701610_E001 CS_OFF_SIR_LRM_IB_2020422701610_2020422701610_E001 CS_OFF_SIR_LRM_IB_2020422701610_2020422701610_E001 CS_OFF_SIR_LRM_IB_2020422701610_2020422701610_E001 CS_OFF_SIR_LRM_IB_2020422701610_2020422701610_E001 CS_OFF_SIR_LRM_IB_2020422701610_20204	CS_OFFL_SIR_LRM_1B_20230422T001948_20230422T002003_E001	Loss of echo	The tracking echo is missing for one or more records
GS_OFFL_SIR_LRM_1B_20023042700344_2003042700355_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20023042700346_2003042700356_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20023042700386_2003042700385_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20023042700380_2003042700395_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20023042700380_2003042700395_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20023042700403_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20023042701403_20030427014040_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20023042701407_20030422701535_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20023042701437_20030422701530_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_200230422701437_20030422701530_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_200230422701530_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_200230422701530_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_200230422701530_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_200230422701530_E002304227012557_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_200230422701530_E002304227012557_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_200230427012509_E00230427012555_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_200230427012509_E00230427012555_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_200230427012549_E00230427012550_E001 L	CS_OFFL_SIR_LRM_1B_20230422T002005_20230422T002138_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 18, 2023042710345 2023042703802 E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL SIR LRM_18, 2023042703943, 20230427103855, E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18, 20230427103943, 20230427103855, E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18, 20230427103943, 20230427104309, E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18, 20230427104303, 202304270404010, E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18, 20230427101272, 202304271012722, E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18, 202304227101479, 202304227101380, E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18, 202304227101479, 202304227101850, E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18, 202304227101479, 202304227101530, E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18, 202304227101530, 202304227101537, E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18, 202304227101539, 202304227101577, E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18, 202304227101539, 202304227101577, E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18, 202304227101539, 2023042271021531, E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18, 2023042271015159, 202304227101515, E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18, 202304227101512, 202304227101515, E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18, 202304227101512, 202304227101515, E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18, 202304227101512, 2023042271021515, E00	CS_OFFL_SIR_LRM_1B_20230422T002620_20230422T003441_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20230422T003742_20230422T003955_E001	CS_OFFL_SIR_LRM_1B_20230422T003444_20230422T003450_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM. IB. 20230427003900, 20230427003955, E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM. IB. 20230427003982, 20230527004003, E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM. IB. 202304270104032, 20230427004004, E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM. IB. 20230427011237, 202304270112772, E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM. IB. 20230427011327, 202304270112772, E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM. IB. 202304270113512, 202304270112772, E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM. IB. 202304270115552, 20230427015551. E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM. IB. 20230427015552, 2023042701557. E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM. IB. 20230427015592, 2023042701557. E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM. IB. 20230427015592, 2023042701557. E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM. IB. 20230427015592, 20230427016150. E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM. IB. 20230427016152, 20230427016150. E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM. IB. 20230427016152, 20230427016250. E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM. IB. 202304270162032, 202304270201630. E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM. IB. 202304270162032, 202304270203032, E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM. IB. 202304270213342, 202304270203032, E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM. IB. 20230427004342, 20230427024435.	CS_OFFL_SIR_LRM_1B_20230422T003454_20230422T003502_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LEM_18_20230427003984_20230427004036_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20230427003984_20230427004036_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_2023042701237_20230427012722_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20230427013419_20230427013530_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20230427013419_20230427013530_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20230427013417_702303427013530_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_2023042701353_20230427013531_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_2023042701353_20230427021357_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_2023042701353_20230427021557_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_2023042701558_20230427021551_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20230427021558_20230427021561_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_202304270216258_20230427021655_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_202304270216252_20230427021655_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_202304270230427023030_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20230427023442_20234427023630_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20230427023442_20234427023680_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_18_20230427024863_20230427024882_E001 Loss of echo The tracking echo i	CS_OFFL_SIR_LRM_1B_20230422T003742_20230422T003855_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20230422T004938_20230422T014040_E01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T01419_20230422T017272E_E01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T01419_20230422T01830E_E01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T019596_20230422T01830E_E01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T01593E_00230422T018508_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T01533_20230422T01537_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T01539_20230422T01557_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T021539_20230422T015157_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T0215199_20230422T0215161_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T021610_20230422T0216165_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T0216263_20230422T0216165_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T02463_20230422T0240510_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T02449_20230422T0240510_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T02449_20230422T024809_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T02449_20230422T024809_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T024491_20230422T04895_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T03449_20230422T03489_E001 Loss of echo The tracking echo	CS_OFFL_SIR_LRM_1B_20230422T003900_20230422T003939_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20230422T011237_20230422T013630_E001	CS_OFFL_SIR_LRM_1B_20230422T003943_20230422T003955_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230427011237_202304227015722_E001	CS_OFFL_SIR_LRM_1B_20230422T003958_20230422T004030_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T014319_20230422T015936_E001	CS_OFFL_SIR_LRM_1B_20230422T004033_20230422T004040_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20230422T014317_20230427T015808_E001	CS_OFFL_SIR_LRM_1B_20230422T011237_20230422T012722_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20230422T015956_20230422T021537_E001	CS_OFFL_SIR_LRM_1B_20230422T013419_20230422T013630_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20230422T021533_20230422T021537_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230422T021559_20230422T021515_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230422T021512_02230422T021515_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230422T0215162_0230422T02155_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230422T021562_0230422T022105_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230422T021562_0230422T02230_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230422T021528_0230422T02230_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230422T02313_0230422T02411_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230422T02313_0230422T02451_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230422T024516_0230422T024519_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230422T024513_0230422T024819_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230422T024813_0230422T024829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230422T02483_0230422T024829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230422T03463_0230422T03483_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230422T03463_0230422T034573_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230422T03463_0230422T034533_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20230422T03530_0230422T035336_E001 Loss of echo The tracking echo is missing for one or more record	CS_OFFL_SIR_LRM_1B_20230422T014317_20230422T015808_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_2023042ZT021559_2023042ZT021610_E001 CS_OFFL_SIR_LRM_1B_2023042ZT021559_2023042ZT021610_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT021612_2023042ZT021615_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT021620_2023042ZT021625_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT021628_2023042ZT022030_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT02137_2023042ZT022141_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT023449_2023042ZT0223630_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT023449_2023042ZT024512_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT024819_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT024813_2023042ZT024819_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT024832_2023042ZT024839_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT024834_2023042ZT024837_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT034643_2023042ZT034937_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT034643_2023042ZT034937_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT034042ZT034936_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT034042ZT034936_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT035306_2023042ZT035336_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20	CS_OFFL_SIR_LRM_1B_20230422T015956_20230422T021531_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_2023042ZT021610_2023042ZT021610_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT021612_2023042ZT021625_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT021628_2023042ZT021625_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT02137_2023042ZT022141_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT0223149_2023042ZT0223630_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT023378_2023042ZT023630_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT023378_2023042ZT024809_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT024813_2023042ZT024819_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT024813_2023042ZT024819_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT024813_2023042ZT024897_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT02483_2023042ZT024937_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT034510_2023042ZT034711_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT035306_2023042ZT035306_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT035306_2023042ZT035306_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT035306_2023042ZT035306_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT035306_2023042ZT035306_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2023042ZT035306_2023042ZT035358_E001 Loss of echo The track	CS_OFFL_SIR_LRM_1B_20230422T021533_20230422T021537_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T021612_20230422T02625_E001	CS_OFFL_SIR_LRM_1B_20230422T021539_20230422T021557_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T021620_20230422T022103_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T022137_20230422T022141_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T023378_20230422T023530_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T023378_20230422T023530_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T024516_20230422T024512_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T024516_20230422T024519_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T024813_20230422T024819_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T024813_20230422T024819_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T024823_20230422T024819_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T024823_20230422T024897_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T034643_20230422T034711_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035306_20230422T035303_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035306_20230422T035303_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035346_20230422T035925_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041932_20230422T041920_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041430_20230422T041950_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041430_20230422T044831_E001 Loss of echo The trac	CS_OFFL_SIR_LRM_1B_20230422T021559_20230422T021610_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T021628_20230422T02230_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T023738_20230422T024512_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T023738_20230422T024512_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T024516_20230422T024512_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T024516_20230422T024809_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T024813_20230422T024899_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T024823_20230422T024829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T024823_20230422T024837_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T034643_20230422T024937_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T034643_20230422T034711_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035266_20230422T035333_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035364_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035348_20230422T035392_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041436_20230422T041436_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T04143_20230422T04443_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T04433_20230422T044384_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T053558_E001 Loss of echo The tracking echo is missing	CS_OFFL_SIR_LRM_1B_20230422T021612_20230422T021615_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20230422T023137_20230422T024512_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T023738_20230422T024512_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T024516_20230422T024809_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T024813_20230422T024819_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T024813_20230422T024829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T024834_20230422T024829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T024834_20230422T024937_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T034643_20230422T0349711_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T035100_20230422T035100_20230422T035100_20230422T035100_20230422T035100_20230422T035030_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T035236_20230422T035304_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T035306_20230422T035346_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T041935242_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T041436_20230422T035256_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T041936_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T042446_20230422T04443_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T050431_20230422T04443_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20230422T050431_20230422T	CS_OFFL_SIR_LRM_1B_20230422T021620_20230422T021625_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T023738_20230422T024512_E001 CS_OFFL_SIR_LRM_1B_20230422T024516_20230422T024809_E001 CS_OFFL_SIR_LRM_1B_20230422T024516_20230422T024819_E001 CS_OFFL_SIR_LRM_1B_20230422T024813_20230422T024829_E001 CS_OFFL_SIR_LRM_1B_20230422T024823_20230422T024829_E001 CS_OFFL_SIR_LRM_1B_20230422T024823_20230422T024829_E001 CS_OFFL_SIR_LRM_1B_20230422T024823_20230422T024937_E001 CS_OFFL_SIR_LRM_1B_20230422T024834_20230422T024937_E001 CS_OFFL_SIR_LRM_1B_20230422T034634_20230422T024937_E001 CS_OFFL_SIR_LRM_1B_20230422T034634_20230422T035133_E001 CS_OFFL_SIR_LRM_1B_20230422T035100_20230422T035133_E001 CS_OFFL_SIR_LRM_1B_20230422T035206_20230422T035303_E001 CS_OFFL_SIR_LRM_1B_20230422T035306_20230422T035304_E001 CS_OFFL_SIR_LRM_1B_20230422T035306_20230422T035304_E001 CS_OFFL_SIR_LRM_1B_20230422T035304_202305225_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035306_T02023042T035303_E001 CS_OFFL_SIR_LRM_1B_20230422T035306_T020230422T035306_T02023042T03506_T02023042T	CS_OFFL_SIR_LRM_1B_20230422T021628_20230422T022030_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T024518_20230422T024809_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T024813_20230422T024809_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T024813_20230422T024829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T024823_20230422T024829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T024834_20230422T024937_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T034834_20230422T034937_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035130_20230422T035133_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035306_20230422T035303_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035306_20230422T035304_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035348_20230422T0353925_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041436_20230422T041956_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042143_20230422T042443_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042446_20230422T04443_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T053558_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T053558_E001 Loss of echo The track	CS_OFFL_SIR_LRM_1B_20230422T022137_20230422T022141_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T024516_20230422T024819_E001 CS_OFFL_SIR_LRM_1B_20230422T024813_20230422T024829_E001 CS_OFFL_SIR_LRM_1B_20230422T024823_20230422T024829_E001 CS_OFFL_SIR_LRM_1B_20230422T024834_20230422T024937_E001 CS_OFFL_SIR_LRM_1B_20230422T034834_20230422T034937_E001 CS_OFFL_SIR_LRM_1B_20230422T034643_20230422T034711_E001 CS_OFFL_SIR_LRM_1B_20230422T034643_20230422T034711_E001 CS_OFFL_SIR_LRM_1B_20230422T035100_20230422T035133_E001 CS_OFFL_SIR_LRM_1B_20230422T035236_20230422T035303_E001 CS_OFFL_SIR_LRM_1B_20230422T035306_20230422T035303_E001 CS_OFFL_SIR_LRM_1B_20230422T035306_20230422T035346_E001 CS_OFFL_SIR_LRM_1B_20230422T035348_20230422T035925_E001 CS_OFFL_SIR_LRM_1B_20230422T04136_20230422T041920_E001 CS_OFFL_SIR_LRM_1B_20230422T041332_20230422T041956_E001 CS_OFFL_SIR_LRM_1B_20230422T04132_20230422T044834_E001 CS_OFFL_SIR_LRM_1B_20230422T042443_20230422T044834_E001 CS_OFFL_SIR_LRM_1B_20230422T042446_20230422T044834_E001 CS_OFFL_SIR_LRM_1B_20230422T042446_20230422T045732_E001 CS_OFFL_SIR_LRM_1B_20230422T053558_20230422T053558_E001 CS_OFFL_SIR_LRM_1B_20230422T055558_20230422T0555558_E001 CS_OFFL_SIR_LRM_1B_20230422T055558_20230422T0555558_E001 CS_OFFL_SIR_LRM_1B_20230422T0555558_20230422T055737_E001 CS_OFFL_SIR_LRM_1B_20230422T0555558_20230422T055737_E001 CS_OFFL_SIR_LRM_1B_20230422T0555558_20230422T055737_E001 CS_OFFL_SIR_LRM_1B_20230422T05555558_20230422T055737_E001 CS_OFFL_SIR_LRM_1B_20230422T0555558_20230422T055737_E001 CS_OFFL_SIR_LRM_1B_20230422T0555558_20230422T0557377_E001 CS_OFFL_SIR_LRM_1B_20230422T0555558_20230422T0557377_E001 CS_OFFL_SIR_LRM_1B_20230422T0555558_20230422T0557377_E001 CS_OFFL_SIR_LRM_1B_20230422T0555558_20230422T0557377_E001 CS_OFFL_SIR_LRM_1B_20230422T0555558_20230422T0557377_E001 CS_OFFL_SIR_LRM_1B_20230422T0555558_20230422T0557377_E001 CS_OFFL_SIR_LRM_1B_20230422T0555558_20230422T0557377_E001 CS_OFFL_SIR_LRM_1B_20230422T0555558_20230422T0557377_E001 CS_OFFL_SIR_LRM_1B_20230422T0555558_20230422T0557377_E001 CS_OFFL_SIR_LRM_1B_20230422	CS_OFFL_SIR_LRM_1B_20230422T023449_20230422T023630_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T024813_20230422T024829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T024823_20230422T024829_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T024834_20230422T024937_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T034643_20230422T034711_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035100_20230422T035133_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035236_20230422T035303_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035346_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035348_20230422T035346_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035348_20230422T035346_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041436_20230422T041920_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041932_20230422T041956_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042143_20230422T04443_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T05413_20230422T052732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T052916_20230422T052732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T053558_20230422T053558_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T053558_20230422T053558_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230422T023738_20230422T024512_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T024823_20230422T024937_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T034643_20230422T034711_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T034643_20230422T034711_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035130_20230422T035133_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035236_20230422T035303_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035306_20230422T035346_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035348_20230422T035925_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041436_20230422T041920_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041932_20230422T042443_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042443_20230422T044834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052735E_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T052916_20230422T05558E_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or mo	CS_OFFL_SIR_LRM_1B_20230422T024516_20230422T024809_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T024834_20230422T034711_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T034643_20230422T035133_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035236_20230422T035303_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035306_20230422T035303_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035306_20230422T035346_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035348_20230422T035925_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041436_20230422T041920_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041932_20230422T041956_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042143_20230422T042443_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042446_20230422T044834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T052916_20230422T053558_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T053558_20230422T053737_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230422T024813_20230422T024819_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T034643_20230422T035133_E001 CS_OFFL_SIR_LRM_1B_20230422T035100_20230422T035133_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035236_20230422T035303_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035306_20230422T035303_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035346_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035348_20230422T035925_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041436_20230422T041920_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041932_20230422T041956_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042143_20230422T042443_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042446_20230422T044834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T052916_20230422T052732_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_20230422T053558_20230422T053737_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	CS_OFFL_SIR_LRM_1B_20230422T024823_20230422T024829_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T035100_20230422T035133_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035236_20230422T035336_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035348_20230422T035346_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035348_20230422T035925_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041436_20230422T041920_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041932_20230422T041956_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042143_20230422T042443_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042446_20230422T044834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T053558_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T052916_20230422T053558_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_20230422T055558_20230422T053737_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_20230422T053558_20230422T053737_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230422T024834_20230422T024937_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T035236_20230422T035304_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035306_20230422T035346_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T035348_20230422T035925_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041436_20230422T041920_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041932_20230422T041956_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042143_20230422T042443_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042446_20230422T044834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_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_20230422T052916_20230422T053558_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T052916_20230422T053558_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230422T034643_20230422T034711_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T035306_20230422T035346_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041436_20230422T041920_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041932_20230422T041920_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041932_20230422T041956_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042143_20230422T042443_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042446_20230422T044834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T052916_20230422T053558_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T052916_20230422T053558_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T053558_20230422T053558_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230422T035100_20230422T035133_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T035348_20230422T041920_E001 CS_OFFL_SIR_LRM_1B_20230422T041436_20230422T041920_E001 CS_OFFL_SIR_LRM_1B_20230422T041932_20230422T041956_E001 CS_OFFL_SIR_LRM_1B_20230422T041932_20230422T041956_E001 CS_OFFL_SIR_LRM_1B_20230422T042143_20230422T042443_E001 CS_OFFL_SIR_LRM_1B_20230422T042446_20230422T04243_E001 CS_OFFL_SIR_LRM_1B_20230422T042446_20230422T04243_E001 CS_OFFL_SIR_LRM_1B_20230422T042446_20230422T042732_E001 CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_E001 CS_OFFL_SIR_LRM_1B_20230422T052916_20230422T053558_E001 CS_OFFL_SIR_LRM_1B_20230422T053558_20230422T053737_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230422T035236_20230422T035303_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T041436_20230422T041920_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T041932_20230422T041956_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042143_20230422T042443_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042446_20230422T042443_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T052916_20230422T053558_E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T053558_20230422T053737_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230422T035306_20230422T035346_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T041932_20230422T041956_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042443_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T042446_20230422T042443_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T052916_20230422T053558_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_20230422T053558_20230422T053737_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_20230422T035348_20230422T035925_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T042143_20230422T042443_E001 CS_OFFL_SIR_LRM_1B_20230422T042446_20230422T042443_E001 CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_E001 CS_OFFL_SIR_LRM_1B_20230422T052916_20230422T053558_E001 CS_OFFL_SIR_LRM_1B_20230422T052916_20230422T053737_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_20230422T041436_20230422T041920_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T042446_20230422T044834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T052916_20230422T053558_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T053558_20230422T053737_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_20230422T041932_20230422T041956_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T052916_20230422T053558_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T053558_20230422T053737_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_20230422T042143_20230422T042443_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T052916_20230422T053558_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230422T053558_20230422T053737_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230422T042446_20230422T044834_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T053558_20230422T053737_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230422T050431_20230422T052732_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20230422T052916_20230422T053558_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T064049_20230422T070141_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230422T053558_20230422T053737_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20230422T064049_20230422T070141_E001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20230422T070143_20230422T070945_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230422T071053 20230422T071110 E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230422T071143 20230422T071253 E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230422T071334 20230422T071523 E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230422T071714 20230422T071901 E001	Loss of echo	The tracking echo is missing for one or more records
	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T082834_20230422T083206_E001		
CS_OFFL_SIR_LRM_1B_20230422T083328_20230422T083809_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T083833_20230422T084003_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T084148_20230422T084324_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T084327_20230422T084333_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T084516_20230422T084622_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T085025_20230422T085034_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T085103_20230422T085107_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T085120_20230422T085136_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T085206_20230422T085227_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T085434_20230422T085451_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T092317_20230422T094538_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T102142_20230422T102610_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T104809_20230422T104813_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T104817_20230422T104920_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T104922_20230422T104926_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T104929_20230422T104941_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T105036_20230422T112358_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T122643_20230422T122744_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T122747_20230422T122758_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T122801_20230422T122803_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T122805_20230422T122827_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T122832_20230422T122847_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T122849_20230422T122908_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T123336_20230422T124114_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230422T124555 20230422T124638 E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230422T124644 20230422T124649 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T124653_20230422T130330_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230422T132023 20230422T133412 E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230422T133633 20230422T134815 E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230422T134940 20230422T135048 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T140523_20230422T140942_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230422T140945 20230422T140950 E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T140952_20230422T141016_E001	Loss of echo	The tracking echo is missing for one or more records
	Loss of echo	
CS_OFFL_SIR_LRM_1B_20230422T141018_20230422T141038_E001 CS_OFFL_SIR_LRM_1B_20230422T141041_20230422T141344_E001		The tracking echo is missing for one or more records The tracking echo is missing for one or more records
	Loss of echo Loss of echo	
CS_OFFL_SIR_LRM_1B_20230422T141558_20230422T142616_E001		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_20230422T150159_20230422T151224_E001	Loss of echo Loss of echo	
CS_OFFL_SIR_LRM_1B_20230422T151437_20230422T152004_E001		The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T152248_20230422T152944_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T153244_20230422T153257_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T154347_20230422T154945_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T154951_20230422T155109_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T155113_20230422T155117_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T155120_20230422T155130_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T155132_20230422T155149_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T155152_20230422T155206_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T155238_20230422T155323_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T163515_20230422T170056_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T170059_20230422T170100_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T170103_20230422T170250_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T170252_20230422T170401_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T170654_20230422T170735_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T172709_20230422T173254_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T173309_20230422T173324_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T173326_20230422T173337_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T173528_20230422T180126_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T190522_20230422T190831_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T190904_20230422T191045_E001	Loss of echo	The tracking echo is missing for one or more records
		3
CS_OFFL_SIR_LRM_1B_20230422T191048_20230422T191054_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T191048_20230422T191054_E001 CS_OFFL_SIR_LRM_1B_20230422T191056_20230422T191057_E001		•

CS_OFFL_SIR_LRM_1B_20230422T191059_20230422T191832_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T191834_20230422T192939_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T194303_20230422T194850_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T204730_20230422T204854_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T204905_20230422T205018_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T205340_20230422T205447_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T205957_20230422T210342_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T220906_20230422T221020_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T222931_20230422T223106_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T223219_20230422T223239_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T223242_20230422T223701_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T223750_20230422T223828_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T223835_20230422T225850_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T234755_20230422T234813_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T234816_20230422T234838_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T234840_20230422T234859_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230422T234904_20230422T235015_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:

4.7 L1B Auxiliary Correction Error Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_SAR_1B_20230422T003707_20230422T003707_E001	Dry tropospheric Correction Error, Wet tro	The auxiliary corrections are missing for oen or ore record; under investigation
CS_OFFL_SIR_SAR_1B_20230422T003709_20230422T003710_E001	Dry tropospheric Correction Error, Wet tro	The auxiliary corrections are missing for oen or ore record; under investigation
CS_OFFL_SIR_SAR_1B_20230422T222929_20230422T222931_E001	Dry tropospheric Correction Error, Wet tro	The auxiliary corrections are missing for oen or ore record; under investigation

4.8 L1B Measurement Confidence Data Check

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

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

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

Phase Perturbation Applied 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_20230422T011237_20230422T012722_E001	IECHO Error IEK 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_20230422T170252_20230422T170401_E001	IECHO Error IEK 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_20230422T191059_20230422T191832_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.

lumber 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 for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are several common error flags raised in the Level 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.

Sea State Bias error: This flag is currently set in all L2 LRM products over ocean, indicating a problem with the sea state bias Due to a known anomaly, the sea state bias field is currently unfilled in all Baseline-E L2 LRM products. This anomaly will be resolved in the next IPF update.

Snow Depth Model error: This flag is currently set in all L2 SAR products over ocean, which fall outside of the extent of the current snow depth model. Currently the snow depth model is only available over the high-latitude Arctic. There is no model currently provided for the Antarctic or marginal Arctic regions. An updated model will be provided in the next IPF update.

Number of products with errors:

Products will errors.	Total Falled	Description
Product	Test Failed	Description
CS_OFFL_SIR_LRM_2_20230422T180303_20230422T180815_E001	Slope model	There is an error with the Slope Model for one or more records
CS_OFFL_SIR_SAR_2_20230422T000343_20230422T000417_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T002138_20230422T002619_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T003502_20230422T003527_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T003528_20230422T003548_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T003551_20230422T003555_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T003558_20230422T003647_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T003649_20230422T003701_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T003709_20230422T003710_E001	Dry tropospheric corr, Wet tropospheric corr, Inverse barometric corr, Dynamic atm corr, Model Ionospheric corr, Solid Earth tide, Geocentr. polar tide, Snow depth model	The auxiliary corrections are missing for oen or ore record; under investigation
CS_OFFL_SIR_SAR_220230422T003712_20230422T003713_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T003716_20230422T003741_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T005359_20230422T005428_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T011023_20230422T011236_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T012722_20230422T012805_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T014307_20230422T014317_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T015808_20230422T015956_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T022947_20230422T023138_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T023345_20230422T023449_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T023630_20230422T023737_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T030918_20230422T031019_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T032223_20230422T032256_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T034537_20230422T034642_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T041149_20230422T041436_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T041920_20230422T041932_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T041956_20230422T042143_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T044835_20230422T044953_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model

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CS_OFFL_SIR_SAR_220230422T050118_20230422T050152_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T050417_20230422T050430_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T053737_20230422T053932_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T055855_20230422T055906_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T055908_20230422T060026_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T062715_20230422T062919_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T070945_20230422T071053_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T071110_20230422T071142_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T071523_20230422T071714_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T071901_20230422T072037_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T080615_20230422T080910_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T081910_20230422T081927_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T082418_20230422T082425_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T082546_20230422T082834_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T084623_20230422T085024_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T085228_20230422T085433_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T085930_20230422T090802_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T091116_20230422T091152_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T092032_20230422T092317_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T094539_20230422T094803_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T095233_20230422T095238_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T095810_20230422T095843_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T101150_20230422T101337_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T102611_20230422T103244_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T103244_20230422T103451_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T103521_20230422T103728_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T104945_20230422T105035_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T112358_20230422T112436_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T113132_20230422T113138_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T113145_20230422T113152_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T113642_20230422T113902_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model

CS_OFFL_SIR_SAR_220230422T113940_20230422T114154_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T114154_20230422T114231_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T121336_20230422T121405_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T122909_20230422T123144_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T123146_20230422T123155_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T123157_20230422T123336_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T124115_20230422T124555_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T130331_20230422T130341_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T131031_20230422T131037_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T131044_20230422T131050_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T131446_20230422T132023_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T133412_20230422T133632_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T134815_20230422T134939_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T135049_20230422T135240_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T135440_20230422T135623_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T142616_20230422T142756_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T144223_20230422T144255_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T144943_20230422T144949_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T152127_20230422T152248_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T152945_20230422T153243_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T155749_20230422T155855_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T162153_20230422T162216_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T163425_20230422T163515_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T181315_20230422T181507_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T190050_20230422T190521_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T192939_20230422T193454_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T194119_20230422T194138_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T195205_20230422T195416_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T202804_20230422T202825_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T202930_20230422T202932_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230422T203836_20230422T204135_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model

CS_OFFL_SIR_SAR_220230422T204346_20230422T204730_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T205019_20230422T205339_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T210543_20230422T210619_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T212033_20230422T212106_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T213047_20230422T213341_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T215557_20230422T215810_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T220809_20230422T220836_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T220838_20230422T220841_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T220843_20230422T220905_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T221736_20230422T221947_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T222108_20230422T222122_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T222205_20230422T222928_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T222929_20230422T222931_E001	Dry tropospheric corr, Wet tropospheric corr, Inverse barometric corr, Dynamic atm corr, Model Ionospheric corr, Solid Earth tide, Geocentr. polar tide, Snow depth model	The auxiliary corrections are missing for oen or ore record; under investigation
CS_OFFL_SIR_SAR_2_20230422T223106_20230422T223219_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T225850_20230422T230126_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T231204_20230422T231343_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T234438_20230422T234715_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T234717_20230422T234733_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20230422T234736_20230422T234753_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SIN_220230422T012806_20230422T013418_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230422T080910_20230422T081229_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230422T094803_20230422T095123_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20230422T131239_20230422T131446_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS OFFL SIR SIN 2 20230422T145124 20230422T145818 E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20230422T212744_20230422T213046_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_202304221212/44_202304221213040_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230422T230647_20230422T231203_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records

5.5 L2 Measurement Quality Flag Check

CryoSat L2 data includes a quality flag 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.

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.

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.

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.

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

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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.

Number of products with errors:

Product	Test Failed	Description

	Height Error (Retracker 2), Height Error	
CS_OFFL_SIR_LRM_220230422T000418_20230422T001945_E001	(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_220230422T002005_20230422T002138_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_20230422T002620_20230422T003441_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_20230422T005428_20230422T011022_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_20230422T011237_20230422T012722_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_20230422T014317_20230422T015808_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_20230422T015956_20230422T021531_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_20230422T023449_20230422T023630_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20230422T023738_20230422T024512_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_20230422T024516_20230422T024809_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_20230422T025434_20230422T030918_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_20230422T032256_20230422T034536_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_20230422T035306_20230422T035346_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20230422T035348_20230422T035925_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_20230422T042143_20230422T042443_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_20230422T042446_20230422T044834_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_20230422T050431_20230422T052732_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_20230422T060026_20230422T062715_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_20230422T064049_20230422T070141_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_20230422T070143_20230422T070945_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_20230422T071714_20230422T071901_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_20230422T073212_20230422T080615_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_20230422T081927_20230422T082418_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_20230422T082425_20230422T082546_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_20230422T084516_20230422T084622_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_20230422T085547_20230422T085930_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_220230422T091153_20230422T092032_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_20230422T092317_20230422T094538_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_220230422T095843_20230422T101150_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_220230422T101337_20230422T101936_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_20230422T102142_20230422T102610_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_220230422T105036_20230422T112358_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_20230422T114231_20230422T121336_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_220230422T123336_20230422T124114_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_220230422T124555_20230422T124638_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_20230422T124653_20230422T130330_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_220230422T132023_20230422T133412_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_220230422T133633_20230422T134815_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_220230422T134940_20230422T135048_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230422T141558_20230422T142616_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_220230422T145818_20230422T145954_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_20230422T150159_20230422T151224_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_20230422T151437_20230422T152004_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_20230422T155855_20230422T162153_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_20230422T163515_20230422T170056_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_20230422T172507_20230422T172545_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_20230422T173339_20230422T173340_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230422T173528_20230422T180126_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_220230422T181507_20230422T184842_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_20230422T191059_20230422T191832_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_20230422T191834_20230422T192939_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_20230422T193454_20230422T194119_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_220230422T195416_20230422T202804_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_20230422T204136_20230422T204233_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_20230422T204905_20230422T205018_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_220230422T205957_20230422T210342_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_20230422T210352_20230422T210543_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_20230422T210619_20230422T212033_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_20230422T213342_20230422T215556_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_20230422T215811_20230422T220809_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_20230422T222931_20230422T223106_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_220230422T223835_20230422T225850_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_20230422T231343_20230422T234438_E001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_SAR_2_20230422T000343_20230422T000417_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_20230422T002138_20230422T002619_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_20230422T003558_20230422T003647_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_20230422T004041_20230422T004635_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_220230422T004635_20230422T004801_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_20230422T005359_20230422T005428_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_20230422T011023_20230422T011236_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_220230422T012722_20230422T012805_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_220230422T014307_20230422T014317_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_220230422T015808_20230422T015956_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_220230422T022051_20230422T022136_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_220230422T022142_20230422T022223_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_220230422T022254_20230422T022443_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_20230422T022443_20230422T022719_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_20230422T022947_20230422T023138_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_220230422T023345_20230422T023449_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_220230422T023630_20230422T023737_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_20230422T030918_20230422T031019_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_20230422T032223_20230422T032256_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_220230422T034537_20230422T034642_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_220230422T035925_20230422T040029_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_220230422T040029_20230422T040633_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_220230422T041149_20230422T041436_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_220230422T041956_20230422T042143_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_220230422T044835_20230422T044953_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_220230422T050118_20230422T050152_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_220230422T050417_20230422T050430_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_220230422T053737_20230422T053932_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_220230422T054009_20230422T054125_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_220230422T054148_20230422T054655_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_220230422T055908_20230422T060026_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_220230422T062715_20230422T062919_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_220230422T070945_20230422T071053_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_20230422T071110_20230422T071142_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_220230422T071523_20230422T071714_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_220230422T071901_20230422T072037_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_20230422T072047_20230422T072856_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_220230422T080615_20230422T080910_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_20230422T081910_20230422T081927_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_220230422T082418_20230422T082425_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_220230422T082546_20230422T082834_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_220230422T084623_20230422T085024_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

00 0551 010 040 0 000040050000 00004005005400 5004	Backscatter Error (Retracker 2),	
CS_OFFL_SIR_SAR_220230422T085228_20230422T085433_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_220230422T085930_20230422T090802_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230422T091116_20230422T091152_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_220230422T092032_20230422T092317_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_220230422T094539_20230422T094803_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_220230422T095810_20230422T095843_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_220230422T101150_20230422T101337_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_220230422T102611_20230422T103244_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_220230422T103244_20230422T103451_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_220230422T103521_20230422T103728_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_220230422T104023_20230422T104717_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_220230422T104945_20230422T105035_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_220230422T112358_20230422T112436_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_220230422T113642_20230422T113902_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_220230422T113940_20230422T114154_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_220230422T114154_20230422T114231_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_220230422T121336_20230422T121405_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_220230422T121923_20230422T122507_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_220230422T122521_20230422T122643_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_220230422T122909_20230422T123144_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_220230422T123157_20230422T123336_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_20230422T124115_20230422T124555_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_20230422T130331_20230422T130341_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_20230422T131446_20230422T132023_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_20230422T134815_20230422T134939_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_20230422T135049_20230422T135240_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_220230422T135440_20230422T135623_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_220230422T135839_20230422T140113_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_220230422T140113_20230422T140523_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_220230422T142616_20230422T142756_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_220230422T144223_20230422T144255_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_220230422T152127_20230422T152248_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_220230422T152945_20230422T153243_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_220230422T153707_20230422T154228_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_220230422T154255_20230422T154347_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_220230422T155749_20230422T155855_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_220230422T162153_20230422T162216_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_220230422T163425_20230422T163515_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_220230422T171530_20230422T172506_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_220230422T181315_20230422T181507_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_220230422T185241_20230422T190015_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_20230422T190050_20230422T190521_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_220230422T192939_20230422T193454_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_20230422T194119_20230422T194138_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_20230422T195205_20230422T195416_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_20230422T202804_20230422T202825_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_220230422T203146_20230422T203836_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_220230422T203836_20230422T204135_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_220230422T204346_20230422T204730_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_220230422T205019_20230422T205339_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_220230422T210543_20230422T210619_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_220230422T212033_20230422T212106_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_220230422T213047_20230422T213341_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_220230422T215557_20230422T215810_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_220230422T220809_20230422T220836_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_220230422T221020_20230422T221736_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_220230422T221736_20230422T221947_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_220230422T222108_20230422T222122_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_220230422T222205_20230422T222928_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_220230422T223106_20230422T223219_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_220230422T225850_20230422T230126_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_220230422T231204_20230422T231343_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_220230422T234438_20230422T234715_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_220230422T235015_20230422T235112_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_220230422T235205_20230422T235631_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_220230422T235631_20230422T235745_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_20230421T235717_20230422T000343_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_20230422T004801_20230422T004921_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_20230422T005217_20230422T005359_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_20230422T012806_20230422T013418_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 20230422T013630 20230422T013715 E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
03_011	Backscatter Error (Retracker 2),	records
CS_OFFL_SIR_SIN_220230422T014132_20230422T014307_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 2).	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230422T022034_20230422T022051_E001	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_220230422T022224_20230422T022254_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_220230422T022720_20230422T022823_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_220230422T022901_20230422T022946_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_220230422T023138_20230422T023345_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_220230422T024938_20230422T025433_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_220230422T031019_20230422T031212_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_220230422T032035_20230422T032222_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_220230422T034711_20230422T035059_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_220230422T040634_20230422T041133_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_220230422T044953_20230422T045113_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_220230422T045310_20230422T045358_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230422T045854_20230422T050118_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_220230422T052733_20230422T052915_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_220230422T053932_20230422T054008_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_220230422T054125_20230422T054147_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_220230422T054656_20230422T055855_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model lunavailable	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_220230422T062920_20230422T063040_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_220230422T063114_20230422T063320_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230422T063919_20230422T064048_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_220230422T072037_20230422T072046_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_220230422T072856_20230422T073212_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_220230422T080910_20230422T081229_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_220230422T081751_20230422T081909_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_220230422T085452_20230422T085547_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_220230422T090802_20230422T091116_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_220230422T094803_20230422T095123_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_220230422T095645_20230422T095809_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_20230422T103451_20230422T103521_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_20230422T103728_20230422T104022_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_20230422T112436_20230422T112632_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_20230422T113508_20230422T113642_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_20230422T121406_20230422T121508_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_20230422T121823_20230422T121923_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_20230422T122508_20230422T122521_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_20230422T130342_20230422T130520_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_20230422T131239_20230422T131446_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_20230422T135240_20230422T135439_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_20230422T135623_20230422T135838_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_20230422T144256_20230422T144442_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_20230422T145001_20230422T145007_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20230422T145017_20230422T145022_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20230422T145124_20230422T145818_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_20230422T145954_20230422T150159_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_20230422T151224_20230422T151437_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_20230422T152005_20230422T152127_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_20230422T153257_20230422T153706_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_20230422T154229_20230422T154254_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_20230422T155323_20230422T155722_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_20230422T162216_20230422T162519_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_20230422T162900_20230422T162907_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20230422T163221_20230422T163424_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_20230422T170735_20230422T171530_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_220230422T173340_20230422T173355_E001	SARIn X-track Angle Error, Surface	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_20230422T180126_20230422T180143_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_20230422T180144_20230422T180302_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20230422T181149_20230422T181314_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_20230422T184842_20230422T185241_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_20230422T190016_20230422T190049_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_20230422T194138_20230422T194303_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_20230422T194850_20230422T194905_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records

CS_OFFL_SIR_SIN_2_20230422T195052_20230422T195205_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_20230422T202825_20230422T202930_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_20230422T202933_20230422T203145_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_20230422T204233_20230422T204321_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_20230422T210342_20230422T210351_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_20230422T212107_20230422T212232_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_20230422T212744_20230422T213046_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_20230422T230127_20230422T230427_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_20230422T230647_20230422T231203_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_20230422T235113_20230422T235205_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_20230422T235745_20230423T000154_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