

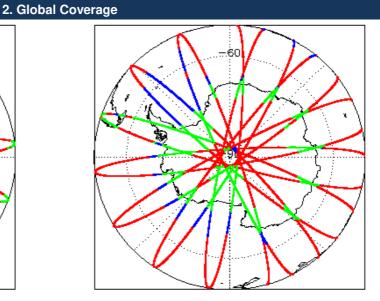
QA4EO Daily Report for OFFLINE data:

1. Overview

Check Status **Report Production Date:** 18-Apr-2023 Server check: science-pds.cryosat.esa.int Nominal Server check: calval-pds.cryosat.esa.int Nominal Processor Used: CryoSat Ice Processor Product Software Check Nominal Product Format Check Nominal Data Used: L1B and L2 OFFLINE Data Product Header Analysis ee Section 4.2 Star Tracker Usage Check Nominal L1B Tracking Flag Check See Section 4.4 We would love to hear from you! Please let us know your feedback about these daily quality L1B Calibration Usage Check See Section 4.5 reports: What do you like/ dislike? What quality information do L1B & L2 Auxiliary Data File Usage Check Nominal you need? Send your feedback to L1B & L2 Auxiliary Correction Error Check See Section 4.7 and 5.4 cs2_qc_team@telespazio.com L1B & L2 Measurement Confidence Data Check See Section 4.8 and 5.5 QCC Errors/ Warnings See Section 6.1, 6.2 and 6.3

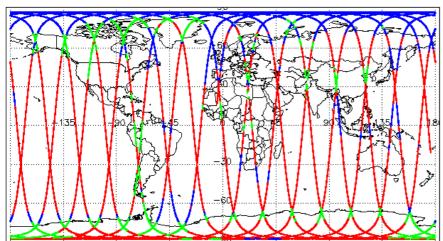
Mission / Instrument News 17-Mar-2023 None 18-Mar-2023 None

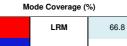
19-Mar-2023 Nothing planned



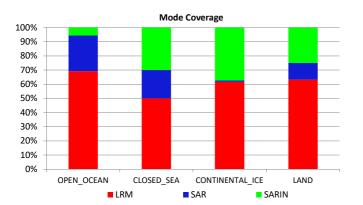
18/03/2023

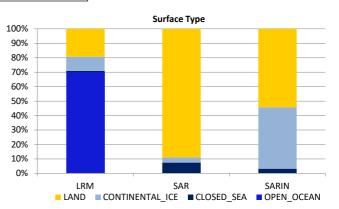
IDEAS-QA4E0





SAR	19.8
SARIn	13.3





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. 0

Number of products with errors:

4.3 Star Tracker Usage Check

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

0

124

Number of products with errors:

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 OFL SUB_CHE_USE_USE_USE_DECOMPTITUE255 Lass of orbo The tacking orbo is manage for one or more records CS OFL_USE_USE_USE_USE_DECOMPTITUE555 Lass of orbo The tacking orbo is manage for one or more records CS OFL_USE_USE_USE_DECOMPTITUE555 Lass of orbo The tacking orbo is manage for one or more records CS OFL_USE_USE_DECOMPTITUE555 Lass of orbo The tacking orbo is manage for one or more records CS OFL_USE_USE_DECOMPTITUE555 Lass of orbo The tacking orbo is manage for one or more records CS OFL_USE_USE_DECOMPTITUE555 Lass of orbo The tacking orbo is manage for one or more records CS OFL_USE_USE_DECOMPTITUE555 Lass of orbo The tacking orbo is manage for one or more records CS OFL_USE_USE_USE_DECOMPTITUE555 Lass of orbo The tacking orbo is manage for one or more records CS OFL_USE_USE_DECOMPTITUE555 Lass of orbo The tacking orbo is manage for one or more records CS OFL_USE_USE_DECOMPTITUE555 Lass of orbo The tacking orbo is manage for one or more records CS OFL_USE_USE_DECOMPTITUE555 Lass of orbo The tacking orbo is manage for one or more records CS OFL_USE_USE_DECOMPTITUE5555 Lass of orbo The tacking orbo is manage for one or more records CS OFL_USE_USE_DECOMPTITUE5555 <t< th=""><th>Product</th><th>Test Failed</th><th>Description</th></t<>	Product	Test Failed	Description
GS_OFFL_SRLIAM_18_20233191700238_20230191700238_E001 Loss of echo The tracking echo is missing for one or more records GS_OFFL_SRLIAM_18_20233191701624_20230191701429_E001 Loss of echo The tracking echo is missing for one or more records GS_OFFL_SRLIAM_18_202303191701624_20230191701431_E001 Loss of echo The tracking echo is missing for one or more records GS_OFFL_SRLIAM_18_202303191701424_20230191701431_E001 Loss of echo The tracking echo is missing for one or more records GS_OFFL_SRLIAM_18_202303191701232_20230191701432_E001 Loss of echo The tracking echo is missing for one or more records GS_OFFL_SRLIAM_18_202303191701232_20230191702132_E001 Loss of echo The tracking echo is missing for one or more records GS_OFFL_SRLIAM_18_202301917012022_00230191702027_E001 Loss of echo The tracking echo is missing for one or more records GS_OFFL_SRLIAM_18_20230191702020_00230191702027_E001 Loss of echo The tracking echo is missing for one or more records GS_OFFL_SRLIAM_18_20230191702020_00230191702028_E001 Loss of echo The tracking echo is missing for one or more records GS_OFFL_SRLIAM_18_20230191702020_00230191702028_E001 Loss of echo The tracking echo is missing for one or more records GS_OFFL_SRLIAM_18_20230191702020_00230191702028_E001 Loss of echo The tracking echo is missing	CS_OFFL_SIR_LRM_1B_20230318T002239_20230318T002248_E001	Loss of echo	The tracking echo is missing for one or more records
GS_OFF_SR_PLAN_TR_20230117004542_2023011700201_E001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_PLAN_TR_20230311701810_20230311701512_E001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_PLAN_TR_20230311701610_20230311700112_E001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_PLAN_TR_2023031170010_20220311700112_E001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LAN_TR_20230311700142_20230311700112_E001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LAN_TR_20230311700142_2023031170012_E001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LAN_TR_20230311700230_2023011700322_E001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LAN_TR_20230311700230_2023011700320_2023011700320_E001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LAN_TR_20230311700230_2023011700320_E001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LAN_TR_20230311700320_E00311700320_E001 Loss of exho The tracking exho is missing for one or more records GS_OFF_SR_LAN_TR_20230311700320_E00311700320_E001 Loss of exho The tracking exho is missing for one	CS_OFFL_SIR_LRM_1B_20230318T002250_20230318T002333_E001	Loss of echo	The tracking echo is missing for one or more records
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GS_OFF_SIR_LFM_18_2020318701285_20203187012822_E001 Loss of exho The tracking exh is missing for one or more records GS_OFF_SIR_LFM_18_2020318701082_2003187019822_E001 Loss of exho The tracking exh is missing for one or more records GS_OFF_SIR_LFM_18_2020318700123_2020318700123_E001 Loss of exho The tracking exh is missing for one or more records GS_OFF_SIR_LFM_18_2020318700123_2020318700123_E001 Loss of exho The tracking exh is missing for one or more records GS_OFF_SIR_LFM_18_2020318700203_2020318700227_E001 Loss of exho The tracking exh is missing for one or more records GS_OFF_SIR_LFM_18_2020318700229_2020318700227_E001 Loss of exho The tracking exh is missing for one or more records GS_OFF_SIR_LFM_18_2020318700229_2020318700229_E001 Loss of exho The tracking exh is missing for one or more records GS_OFF_SIR_LFM_18_2020318700258_2020318700258_E001 Loss of exho The tracking exh is missing for one or more records GS_OFF_SIR_LFM_18_2020318700258_2020318700258_E001 Loss of exho The tracking exh is missing for one or more records GS_OFF_SIR_LFM_18_2020318700258_2020318700258_E001 Loss of exho The tracking exh is missing for one or more records GS_OFF_SIR_LFM_18_2020318700258_2020318700358_E001 Loss of exho The tracking exh is missing for one or more records GS_OFF_SIR_LFM_18_2020318700358_20	CS_OFFL_SIR_LRM_1B_20230318T004540_20230318T005010_E001	Loss of echo	The tracking echo is missing for one or more records
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CS, OFFL_SIR_LAM, 18_20203161702016_202031617020121_E001 Loss of exho The tracking exh is missing for one or more records CS, OFFL_SIR_LAM, 18_202031617020123_202031617020125_E001 Loss of exho The tracking exh is missing for one or more records CS, OFFL_SIR_LAM, 18_202031617020123_20203161702012_E001 Loss of exho The tracking exh is missing for one or more records CS, OFFL_SIR_LAM, 18_20203161702002_20203161702012_E001 Loss of exho The tracking exh is missing for one or more records CS, OFFL_SIR_LAM, 18_20203161702002_20203161702032_E001 Loss of exho The tracking exh is missing for one or more records CS, OFFL_SIR_LAM, 18_20203161702032_20203161702032_E001 Loss of exho The tracking exh is missing for one or more records CS, OFFL_SIR_LAM, 18_20203161702328_202033161702338_E001 Loss of exho The tracking exh is missing for one or more records CS, OFFL_SIR_LAM, 18_2020316170238_20203161703382_E001 Loss of exho The tracking exh is missing for one or more records CS, OFFL_SIR_LAM, 18_20203161703388_20203161703382_E001 Loss of exho The tracking exh is missing for one or more records CS, OFFL_SIR_LAM, 18_20203161703388_20203161703388_E001 Loss of exho The tracking exh is missing for one or more records CS, OFFL_SIR_LAM, 18_20203161703388_20203161703388_E001 Loss of exho The tracking exh is missing for one or more records <	CS_OFFL_SIR_LRM_1B_20230318T012654_20230318T014131_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFF_SIN_LPM_16_22230316702013_202200187020152_E001 Los of echo The tracking echo is missing for one or more records CS_OFF_SIN_LPM_16_22230318702021_2023018702017_E001 Los of echo The tracking echo is missing for one or more records CS_OFF_SIN_LPM_16_22230318702022_2023018702022_E001 Los of echo The tracking echo is missing for one or more records CS_OFF_SIN_LPM_16_22230318702022_2023018702032_E001 Los of echo The tracking echo is missing for one or more records CS_OFF_SIN_LPM_16_2203318702032_2023018702032_E001 Los of echo The tracking echo is missing for one or more records CS_OFF_SIN_LPM_16_2023018702032_2023018702038_E001 Los of echo The tracking echo is missing for one or more records CS_OFF_SIN_LPM_16_2023018702058_2023018702038_E001 Los of echo The tracking echo is missing for one or more records CS_OFF_SIN_LPM_16_2023018702058_2023018702381_E001 Los of echo The tracking echo is missing for one or more records CS_OFF_SIN_LPM_18_2023018703388_2023018703381_E001 Los of echo The tracking echo is missing for one or more records CS_OFF_SIN_LPM_18_2023018703388_2023018703388_E001 Los of echo The tracking echo is missing for one or more records CS_OFF_SIN_LPM_18_2023018703388_2023018703388_E001 Los of echo The tracking echo is missing for one or more records CS_OFF_SIN_LPM_18_20230187033	CS_OFFL_SIR_LRM_1B_20230318T020106_20230318T020121_E001	Loss of echo	The tracking echo is missing for one or more records
CS, OFFL, SIR, LRM, 18, 20230316702014, 20220318702015, E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM, 18, 20230316702020, 20230318702027, E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM, 18, 20230316702020, 20230318702027, E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM, 18, 20230316702020, 202303187020327, E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM, 18, 20230316702329, 202303187024928, E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM, 18, 20230316702352, 202303187024928, E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM, 18, 20230316703358, 20230318703350, E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM, 18, 20230318703358, E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM, 18, 20230318703358, E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM, 18, 20230318703358, E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL, SIR, LRM, 18, 20230318703358, E0031 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230318T020123_20230318T020129_E001	Loss of echo	The tracking echo is missing for one or more records
CS, OFFL, SIR, LRM, 18, 2023018702022, 2023018702022, 2023018702022, 2023018702022, 2023018702022, 2023018702022, 2023018702022, 2023018702022, 2023018702022, 2023018702022, 2023018702022, 2023018702022, 2023018702022, 2023018702022, 2023018702022, 2023018702032, 2023018702391, 2001Loss of echoThe tracking echo is missing for one or more recordsCS, OFFL, SIR, LRM, 18, 2023018703052, 2023018702391, 2001Loss of echoThe tracking echo is missing for one or more recordsCS, OFFL, SIR, LRM, 18, 2023018703359, 2023018703351, E001Loss of echoThe tracking echo is missing for one or more recordsCS, OFFL, SIR, LRM, 18, 2023018703381, E001Loss of echoThe tracking echo is missing for one or more recordsCS, OFFL, SIR, LRM, 18, 2023018703381, E001Loss of echoThe tracking echo is missing for one or more recordsCS, OFFL, SIR, LRM, 18, 2023018703381, E001Loss of echoThe tracking echo is missing for one or more recordsCS, OFFL, SIR, LRM, 18, 2023018703382, E001Loss of echoThe tracking echo is missing for one or more recordsCS, OFFL, SIR, LRM, 18, 20230187033839, E001Loss of echoThe tracking echo is missing for one or more recordsCS, OFFL, SIR, LRM, 18, 20230187033839, E001Loss of echoThe tracking echo is missing for one or more recordsCS, OFFL, SIR, LRM, 18, 20230187033839, E001Loss of echoThe tracking echo is missing for one or more records<	CS_OFFL_SIR_LRM_1B_20230318T020133_20230318T020152_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LRM_1B_20203181702021_20203181702022_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20203181702023_20203181702033_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20203181702035_20203181702035_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20203181702352_20203181702352 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20203181702352_202031817023512_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20203181702353_202031817033515_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20203181703358_20230181703381_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20203181703383_20230181703383_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20203181703383_20230181703383_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20203181703383_20230181703383_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230181703383_20230181703383_E001 Loss of echo The tracking echo is missi	CS_OFFL_SIR_LRM_1B_20230318T020154_20230318T020158_E001	Loss of echo	The tracking echo is missing for one or more records
CS, OFFL_SIR_LRM_1B_20203181702032_02030181702032_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20203181702032_202031817024528_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202031817025715_2023018170245818_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202031817023582_202301817023518_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2023031817023582_20230181703350_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202303181703358_202303181703351E_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202303181703358_202303181703351E_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202303181703358_202303181703358_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202303181703358_202303181703358_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202303181703358_202303181703358_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202303181703358_202303181703359_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_202303181703458_20230181703459_20230181703459_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230181703458_20230181703458_20230181703458_20230181703458_20230181703458_20230181703458_20230181703458_20230181703458_20230181703458_2	CS_OFFL_SIR_LRM_1B_20230318T020200_20230318T020217_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230316T023392_20230318T024928_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230316T023523_20230318T024928_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T025115_20230318T023132_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T032338_20230318T033303_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033391_20230318T033815_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033818_20230318T03381_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033838_20230318T033831_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033838_20230318T033838_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033848_20230318T033847_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033848_20230318T033847_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033848_20230318T033847_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033842_20230318T033937_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033805_20230318T034422_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_	CS_OFFL_SIR_LRM_1B_20230318T020221_20230318T020228_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LAM_18_2023018T02552Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LAM_18_2023018T025515_2023018T025518_2001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LAM_18_2023018T030582_2023018T033530_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LAM_18_2023018T0305838_20230318T033512_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LAM_18_20230318T033812_20318T033812_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LAM_18_20230318T03382_20230318T033821_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LAM_18_20230318T03383_20230318T033831_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LAM_18_20230318T033839_20230318T033836_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LAM_18_20230318T03389_20230318T03389_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LAM_18_20230318T03389_20230318T033937_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LAM_18_20230318T033932_20230318T033937_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LAM_18_20230318T03493220230318T034932Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LAM_18_20230318T034930_20230318T034932Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LAM_18_20230318T051492_20230318T051492_E	CS_OFFL_SIR_LRM_1B_20230318T020230_20230318T020327_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_2023018T025715_20230318T032132_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2023018T030588_20230318T033132_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2023018T033389_20230318T033300_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2023018T033819_20230318T033815_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2023018T033825_2023018T033835_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2023018T033835_2023018T033836_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2023018T033835_2023018T033836_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2023018T033835_2023018T033836_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2023018T033835_2023018T033837_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2023018T033937_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2023018T034842_2023018T034925_2001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2023018T054842_20230318T044232_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_2023018T054842_2023018T054842_2023018T054842_2023018T054842_2023018T054842_2023018T054842_2023018T054842_2023018T054842_2023018T054842_2023018T054842_2023018T054842_2023018T054842_20230	CS_OFFL_SIR_LRM_1B_20230318T020329_20230318T020339_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T030559_20230318T033330_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033338_20230318T033330_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033838_20230318T0338315_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033818_20230318T033821_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033828_20230318T033836_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033838_20230318T033834_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033839_20230318T033934_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220318T033939_20230318T033937_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033939_20230318T034932_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T034939_20230318T034922_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T040657_20230318T043930_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T041484_20230318T041434_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051443_20230318T051442_E001Loss of echoThe tracking echo is missing for one or more records <t< td=""><td>CS_OFFL_SIR_LRM_1B_20230318T023523_20230318T024928_E001</td><td>Loss of echo</td><td>The tracking echo is missing for one or more records</td></t<>	CS_OFFL_SIR_LRM_1B_20230318T023523_20230318T024928_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LFM_1B_20230318T03338_02338_0230318T033381_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LFM_1B_20230318T03383B_20230318T033831_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LFM_1B_20230318T033836_0230318T033831_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LFM_1B_20230318T033831_20230318T033831_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LFM_1B_20230318T033832_0230318T033834_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LFM_1B_20230318T033832_0230318T033844_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LFM_1B_20230318T03393_0230318T033937_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LFM_1B_20230318T03393_0230318T033937_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LFM_1B_20230318T03393_0230318T033937_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LFM_1B_20230318T043505_0230318T04324_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LFM_1B_20230318T043434_0230318T04329_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LFM_1B_20230318T04342_0230318T04342_2001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LFM_1B_20230318T04342_0230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LFM_1B_20230318T0	CS_OFFL_SIR_LRM_1B_20230318T025715_20230318T025918_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T03359_20230318T033815_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033821_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033826_20230318T033836_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033836_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033842_E0230318T033844_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033942_E0230318T033939_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033939_20230318T033937_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033939_20230318T033937_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033939_20230318T043229_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T041834_20230318T042329_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051402_2023018T051402_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051432_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051442_20230318T051452_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051442_20230318T05145	CS_OFFL_SIR_LRM_1B_20230318T030558_20230318T032132_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20230318T033821_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T033832_0230318T033836_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T033832_0230318T033836_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T033832_0230318T033844_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T033842_0230318T033944_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T033942_20230318T033937_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T033939_20230318T033937_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T033930_20230318T034324_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T04057_20230318T042329_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T051405_20230318T05103_2001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T051407_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T051442_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T051444_20230318T051442_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T051444_20	CS_OFFL_SIR_LRM_1B_20230318T032338_20230318T033300_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20230318T033826_20230318T0338361_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T033836_20230318T033836_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T033836_20230318T0338364_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T033848_20230318T033939_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T033939_20230318T033939_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T033939_20230318T034524_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T035805_20230318T035807_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T040057_20230318T041203_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T051400_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T051432_2023018T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T051434_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T051434_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20230318T051442_2030318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM	CS_OFFL_SIR_LRM_1B_20230318T033539_20230318T033815_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T033832_20230318T033834_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033834_20230318T033844_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033844_20230318T033939_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033912_20230318T033937_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033939_20230318T034324_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T035805_20230318T035907_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T040057_20230318T040057_20230318T041203_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051900_20230318T051030_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051432_2030318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051442_2030318T051442_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051442_2030318T051442_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051442_2030318T051442_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051516_20230318T051616_E001Loss of echoThe tracking echo is missing for one or more recordsCS_	CS_OFFL_SIR_LRM_1B_20230318T033818_20230318T033821_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T03389_20230318T033844_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033944_20230318T033909_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T0339312_20230318T033937_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T035805_20230318T035907_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T040057_20230318T041203_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T041834_20230318T041203_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T041834_20230318T041232_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051407_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051434_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051448_20230318T05142_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051510_20230318T051512_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051514_20230318T051512_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051514_20230318T051643_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_	CS_OFFL_SIR_LRM_1B_20230318T033826_20230318T033831_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T033948_20230318T033937_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033939_20230318T033937_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033939_20230318T034324_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033939_20230318T034324_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T040557_20230318T041203_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T041834_20230318T042329_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T041834_20230318T041232_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051407_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051434_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T05143_2030318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051442_2030318T051455_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051619_20230318T051512_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051623_20230318T051643_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B	CS_OFFL_SIR_LRM_1B_20230318T033833_20230318T033836_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T033937_20318T033937_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T033939_20230318T034324_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T035805_20230318T035907_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T040057_20230318T041203_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T041804_20230318T043239_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T0510900_20230318T051030_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051407_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051442_2030318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051442_2030318T051442_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T0515144_20230318T051512_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051514_20230318T051612_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T0515142_20230318T0516144_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T0515142_20230318T0516143_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LR	CS_OFFL_SIR_LRM_1B_20230318T033839_20230318T033844_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T033393_20230318T034324_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T035805_20230318T035907_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T040057_20230318T041203_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T041834_20230318T042329_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T050900_20230318T051030_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051407_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051434_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051434_20230318T051442_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051448_20230318T051512_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051512_203018T051512_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T05164_20230318T051643_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051646_20230318T0516452_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051646_20230318T0516452_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_	CS_OFFL_SIR_LRM_1B_20230318T033848_20230318T033909_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T035805_20230318T035907_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T041057_20230318T041203_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T041834_20230318T042329_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051030_20230318T051030_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051407_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051434_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051434_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051434_20230318T051445_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051510_20230318T051512_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051642_2030318T051643_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051642_20230318T051652_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051646_20230318T051652_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051646_20230318T051655_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_	CS_OFFL_SIR_LRM_1B_20230318T033912_20230318T033937_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T040057_20230318T041203_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T041834_20230318T042329_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T050900_20230318T051030_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051407_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051434_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051434_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051448_20230318T051445_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051510_20230318T051512_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051514_20230318T051643_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051646_20230318T051643_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051646_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM	CS_OFFL_SIR_LRM_1B_20230318T033939_20230318T034324_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T041834_20230318T042329_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T050900_20230318T051030_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051407_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051434_20230318T051442_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051448_20230318T051455_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051510_20230318T051512_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051514_20230318T051512_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051514_20230318T051643_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051643_20230318T051643_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051646_20230318T051652_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051646_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051645_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051645_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more records<	CS_OFFL_SIR_LRM_1B_20230318T035805_20230318T035907_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T050900_20230318T051030_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051407_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051434_20230318T051434_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051448_20230318T051455_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051510_20230318T051512_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051514_20230318T051512_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051514_20230318T051619_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051623_20230318T05163_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051646_20230318T051652_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_	CS_OFFL_SIR_LRM_1B_20230318T040057_20230318T041203_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T051407_20230318T051432_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051434_20230318T051442_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051448_20230318T051455_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051510_20230318T051512_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051514_20230318T051619_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051623_20230318T051643_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051646_20230318T051652_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051652_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM	CS_OFFL_SIR_LRM_1B_20230318T041834_20230318T042329_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T051434_20230318T051442_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051448_20230318T051455_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051510_20230318T051512_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051514_20230318T051619_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051623_20230318T051643_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051646_20230318T051652_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051645_20230318T051652_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051709_E001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230318T050900_20230318T051030_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T051448_20230318T051455_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051510_20230318T051512_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051514_20230318T051619_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051623_20230318T051643_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051646_20230318T051652_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051700_20230318T051709_E001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230318T051407_20230318T051432_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T051510_20230318T051512_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051514_20230318T051619_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051623_20230318T051643_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051646_20230318T051652_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051700_20230318T051709_E001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230318T051434_20230318T051442_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T051514_20230318T051619_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051623_20230318T051643_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051646_20230318T051652_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051700_20230318T051709_E001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230318T051448_20230318T051455_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T051623_20230318T051643_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051646_20230318T051652_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20230318T051700_20230318T051709_E001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230318T051510_20230318T051512_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T051646_20230318T051652_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051709_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230318T051514_20230318T051619_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20230318T051700_20230318T051709_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230318T051623_20230318T051643_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T051700_20230318T051709_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230318T051646_20230318T051652_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20230318T051655_20230318T051658_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T051711_20230318T051745_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230318T051700_20230318T051709_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20230318T051711_20230318T051745_E001	Loss of echo	The tracking echo is missing for one or more records

CS OFFL SIR LRM 1B 20230318T051748 20230318T052246 E001 CS OFFL SIR LRM 1B 20230318T053734 20230318T054743 E001 CS OFFL SIR LRM 1B 20230318T054745 20230318T061128 E001 CS_OFFL_SIR_LRM_1B_20230318T061637_20230318T062208_E001 CS OFFL SIR LRM 1B 20230318T062434 20230318T064954 E001 CS_OFFL_SIR_LRM_1B_20230318T065358_20230318T065909_E001 CS OFFL SIR LRM 1B 20230318T071339 20230318T071427 E001 CS OFFL SIR LRM 1B 20230318T072126 20230318T072129 E001 CS_OFEL_SIB_LBM_1B_20230318T072132_20230318T072147_E001 CS OFFL SIR LRM 1B 20230318T072149 20230318T075023 E001 CS_OFFL_SIR_LBM_1B_20230318T080330_20230318T082417_E001 CS OFFL SIR LRM 1B 20230318T082419 20230318T083549 E001 CS_OFFL_SIR_LBM_1B_20230318T083622_20230318T083832_E001 CS OFFL SIR LRM 1B 20230318T093519 20230318T094050 E001 CS_OFFL_SIR_LBM_1B_20230318T095151_20230318T095955_E001 CS_OFFL_SIR_LRM_1B_20230318T100114_20230318T100622_E001 CS OFFL SIR LRM 1B 20230318T100805 20230318T100936 E001 CS_OFFL_SIR_LRM_1B_20230318T101150_20230318T101301_E001 CS OFFL SIR LRM 1B 20230318T101353 20230318T101425 E001 CS_OFFL_SIR_LRM_1B_20230318T101425_20230318T101516_E001 CS_OFFL_SIR_LRM_1B_20230318T101830_20230318T101838_E001 CS_OFFL_SIR_LBM_1B_20230318T112116_20230318T114117_E001 CS OFFL SIR LRM 1B 20230318T114442 20230318T114856 E001 CS OFFL SIR LRM 1B 20230318T114859 20230318T114918 E001 CS_OFFL_SIR_LRM_1B_20230318T114921_20230318T114933_E001 CS OFFL SIR LRM 1B 20230318T115004 20230318T115146 E001 CS OFFL SIR LRM 1B 20230318T121056 20230318T121132 E001 CS OFFL SIR LRM 1B 20230318T123346 20230318T124656 E001 CS OFFL SIR LRM 1B 20230318T125441 20230318T125837 E001 CS OFFL SIR LRM 1B 20230318T134929 20230318T135105 E001 CS OFFL SIR LRM 1B 20230318T135107 20230318T135139 E001 CS_OFFL_SIR_LRM_1B_20230318T140842_20230318T140951_E001 CS OFFL SIR LRM 1B 20230318T140953 20230318T141240 E001 CS_OFFL_SIR_LRM_1B_20230318T141337_20230318T142626_E001 CS OFFL SIR LRM 1B 20230318T144358 20230318T145701 E001 CS_OFFL_SIR_LRM_1B_20230318T152833_20230318T152834_E001 CS OFFL SIR LRM 1B 20230318T152838 20230318T152856 E001 CS_OFFL_SIR_LRM_1B_20230318T152859_20230318T152901_E001 CS_OFEL_SIB_LBM_1B_20230318T152904_20230318T152909_E001 CS_OFFL_SIR_LRM_1B_20230318T152913_20230318T152923_E001 CS_OFFL_SIR_LBM_1B_20230318T152928_20230318T152954_E001 CS_OFFL_SIR_LRM_1B_20230318T152956_20230318T153138_E001 CS OFFL SIR LRM 1B 20230318T153140 20230318T153223 E001 CS OFFL SIR LRM 1B 20230318T153227 20230318T153336 E001 CS_OFFL_SIR_LBM_1B_20230318T153339_20230318T153346_E001 CS_OFFL_SIR_LRM_1B_20230318T153348_20230318T153517_E001 CS OFFL SIR LRM 1B 20230318T153837 20230318T154902 E001 CS_OFFL_SIR_LRM_1B_20230318T155042_20230318T160543_E001 CS OFFL SIR LRM 1B 20230318T162400 20230318T162542 E001 CS_OFFL_SIR_LRM_1B_20230318T162545_20230318T162547_E001 CS_OFFL_SIR_LRM_1B_20230318T162551_20230318T162607_E001 CS_OFFL_SIR_LBM_1B_20230318T162858_20230318T163310_E001 CS OFFL SIR LRM 1B 20230318T163817 20230318T164254 E001 CS OFFL SIR LRM 1B 20230318T164417 20230318T165126 E001 CS_OFFL_SIR_LRM_1B_20230318T170622_20230318T170639_E001 CS OFFL SIR LRM 1B 20230318T170723 20230318T171211 E001 CS OFFL SIR LRM 1B 20230318T171217 20230318T171310 E001 CS OFFL SIR LRM 1B 20230318T171312 20230318T171331 E001 CS OFFL SIR LRM 1B 20230318T171335 20230318T171359 E001 CS OFFL SIR LRM 1B 20230318T171401 20230318T171403 E001 CS OFFL SIR LRM 1B 20230318T171406 20230318T171603 E001 CS_OFFL_SIR_LRM_1B_20230318T171942_20230318T172220_E001 CS OFFL SIR LRM 1B 20230318T175748 20230318T182409 E001 CS_OFFL_SIR_LRM_1B_20230318T182412_20230318T183248_E001

Loss of echo oss of echo Loss of echo oss of echo 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_20230318T184955_20230318T185430_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T193113_20230318T193439_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T202758_20230318T203122_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T203343_20230318T203359_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T203402_20230318T203409_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T203413_20230318T205511_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T210542_20230318T211347_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T211625_20230318T215103_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T220421_20230318T220522_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T220541_20230318T220626_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T220912_20230318T221214_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T221216_20230318T221240_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T221258_20230318T221339_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T221918_20230318T222430_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T222552_20230318T223059_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T224519_20230318T225035_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T233240_20230318T233310_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T235222_20230318T235401_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230318T235434_20230318T235928_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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_SIN_1B_20230318T185959_20230318T190003_E001	Cal1 Correction missing	The Cal1 correction has not been applied for one or more records

4.6 L1B Auxilary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 0

4.7 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag 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_20230318T002238_20230318T002238_E001	Dry tropospheric Correction Error, Wet tropospheric Correction Error, Inverse barometric Correction Error, Dynamic atmosphere Correction Error, Ocean equilibrium tide, Ocean long period tide, Ocean loading tide, Solid Earth tide, Geocentr. polar tide, Surface type flag	Due to missing Forecast Auxiliary Files, there is an error with the Dry Tropospheric, Wet Tropospheric and Inverse Barometric corrections and the other corrections on the left.
CS_OFFL_SIR_SAR_1B_20230318T103215_20230318T103216_E001	Dry tropospheric Correction Error, Wet tropospheric Correction Error, Inverse barometric Correction Error, Dynamic atmosphere Correction Error, Ocean equilibrium tide, Ocean long period tide, Ocean loading tide, Solid Earth tide, Geocentr. polar tide, Surface type flag	Due to missing Forecast Auxiliary Files, there is an error with the Dry Tropospheric, Wet Tropospheric and Inverse Barometric corrections and the other corrections on the left.
CS_OFFL_SIR_SAR_1B_20230318T152816_20230318T152819_E001	Dry tropospheric Correction Error, Wet tropospheric Correction Error, Inverse barometric Correction Error, Dynamic atmosphere Correction Error, Ocean equilibrium tide, Ocean long period tide, Ocean loading tide, Solid Earth tide, Geocentr. polar tide, Surface type flag	Due to missing Forecast Auxiliary Files, there is an error with the Dry Tropospheric, Wet Tropospheric and Inverse Barometric corrections and the other corrections on the left.

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. 0 Number of products with errors:

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a product file (.DBL). 0

Number of products with errors:

5.2 L2 Product Header Analysis

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.

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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:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220230318T111422_20230318T111936_E001	Slope model	There is an error with the Slope Model for one or more records
CS_OFFL_SIR_SAR_220230318T002058_20230318T002213_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_220230318T002215_20230318T002227_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_220230318T002229_20230318T002237_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_220230318T003054_20230318T004539_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_220230318T010836_20230318T011139_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_220230318T011234_20230318T011534_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_20230318T012541_20230318T012654_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_220230318T014132_20230318T014252_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_220230318T014428_20230318T014908_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_20230318T015622_20230318T015803_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_20230318T015807_20230318T015812_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_220230318T015815_20230318T020105_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_220230318T021551_20230318T021619_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_220230318T023349_20230318T023523_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_220230318T024929_20230318T025436_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_220230318T032132_20230318T032337_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_220230318T035334_20230318T035805_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_220230318T035907_20230318T040056_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_220230318T043225_20230318T043302_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_220230318T044512_20230318T044514_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_220230318T050046_20230318T050707_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_220230318T050707_20230318T050900_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_220230318T053516_20230318T053734_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_220230318T061128_20230318T061211_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_220230318T075024_20230318T075138_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_220230318T083832_20230318T084037_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_220230318T084132_20230318T085133_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_220230318T092945_20230318T093148_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_220230318T094207_20230318T094215_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_220230318T094838_20230318T095150_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_20230318T100936_20230318T101023_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_220230318T101516_20230318T101830_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_20230318T102142_20230318T103025_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_220230318T103215_20230318T103216_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	There is an error with the values of the correction error flags on the left, for one or more records.

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_220230318T103222_20230318T103344_E001
CS_OFFL_SIR_SAR_220230318T103428_20230318T103500_E001
CS_OFFL_SIR_SAR_220230318T110912_20230318T111101_E001
CS_OFFL_SIR_SAR_220230318T112100_20230318T112116_E001
CS_OFFL_SIR_SAR_220230318T114933_20230318T115003_E001
CS_OFFL_SIR_SAR_220230318T115147_20230318T115500_E001
CS_OFFL_SIR_SAR_220230318T115500_20230318T120130_E001
CS_OFFL_SIR_SAR_220230318T121132_20230318T121315_E001
CS_OFFL_SIR_SAR_220230318T123330_20230318T123346_E001
CS_OFFL_SIR_SAR_220230318T124657_20230318T124811_E001
CS_OFFL_SIR_SAR_220230318T125423_20230318T125429_E001
CS_OFFL_SIR_SAR_220230318T125437_20230318T125441_E001
CS_OFFL_SIR_SAR_220230318T125946_20230318T130038_E001
CS_OFFL_SIR_SAR_2_20230318T133653_20230318T133719_E001
CS_OFFL_SIR_SAR_220230318T135143_20230318T135636_E001
CS_OFFL_SIR_SAR_2_20230318T140401_20230318T140842_E001
CS_OFFL_SIR_SAR_220230318T141240_20230318T141337_E001
CS_OFFL_SIR_SAR_220230318T143323_20230318T143329_E001
CS_OFFL_SIR_SAR_220230318T143336_20230318T143341_E001
CS_OFFL_SIR_SAR_2_20230318T143734_20230318T144357_E001
CS_OFFL_SIR_SAR_220230318T145701_20230318T145915_E001
CS_OFFL_SIR_SAR_220230318T151112_20230318T151235_E001
CS_OFFL_SIR_SAR_220230318T151236_20230318T151411_E001
CS_OFFL_SIR_SAR_220230318T151426_20230318T151914_E001

CS_OFFL_SIR_SAR_2__20230318T152816_20230318T152819_E001

CS_OFFL_SIR_SAR_2__20230318T154903_20230318T155042_E001 CS_OFFL_SIR_SAR_2__20230318T162205_20230318T162212_E001 CS_OFFL_SIR_SAR_2__20230318T162308_20230318T162400_E001 CS_OFFL_SIR_SAR_2__20230318T165249_20230318T165458_E001 CS OFFL SIR SAR 2 20230318T172220 20230318T172304 E001 CS_OFFL_SIR_SAR_2__20230318T174443_20230318T174450_E001 CS_OFFL_SIR_SAR_2__20230318T175706_20230318T175748_E001 CS_OFFL_SIR_SAR_2__20230318T193559_20230318T193653_E001 CS_OFFL_SIR_SAR_2__20230318T202615_20230318T202758_E001 CS OFFL SIR SAR 2 20230318T203258 20230318T203343 E001 CS OFFL SIR SAR 2 20230318T205512 20230318T205731 E001 CS_OFFL_SIR_SAR_2__20230318T210408_20230318T210418_E001 CS_OFFL_SIR_SAR_2__20230318T211459_20230318T211624_E001 CS_OFFL_SIR_SAR_2__20230318T215231_20230318T215304_E001 CS_OFFL_SIR_SAR_2__20230318T220128_20230318T220421_E001 CS OFFL SIR SAR 2 20230318T220626 20230318T220701 E001 CS_OFFL_SIR_SAR_2__20230318T220825_20230318T220911_E001 CS_OFFL_SIR_SAR_2__20230318T221526_20230318T221602_E001 CS_OFFL_SIR_SAR_2__20230318T223059_20230318T223413_E001 CS_OFFL_SIR_SAR_2__20230318T224338_20230318T224353_E001 CS_OFFL_SIR_SAR_2_20230318T225341_20230318T225555_E001 CS_OFFL_SIR_SAR_2__20230318T231848_20230318T232133_E001 CS_OFFL_SIR_SAR_2__20230318T233057_20230318T233240_E001

Snow depth model
Snow depth model
Dry tropospheric corr, Wet tropospheric corr, Inverse barometric corr, Dynamic
atm corr, Model Ionospheric corr, Solid Earth tide, Geocentr. polar tide
atm corr, Model Ionospheric corr, Solid
atm corr, Model Ionospheric corr, Solid Earth tide, Geocentr. polar tide
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atm corr, Model Ionospheric corr, Solid Earth tide, Geocentr. polar tide Snow depth model Snow depth model
atm corr, Model Ionospheric corr, Solid Earth tide, Geocentr. polar tide Snow depth model 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 mode There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth mode 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 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 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 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 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 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 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 There is an error with the Snow Depth value, where one or mo re records falls outside of the extent of the current 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 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 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 There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth mode 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 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 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 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 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 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 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 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 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 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

There is an error with the values of the correction error flags on the left, for one or more records.

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 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 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 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 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 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 There is an error with the Snow Depth value, where one or n falls outside of the extent of the current 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 There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth mode 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 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 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 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 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 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 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 There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth mode 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 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 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 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 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 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_220230318T234028_20230318T234210_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_220230318T234214_20230318T234250_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_20230318T234334_20230318T234401_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_20230318T234707_20230318T235050_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_20230318T235118_20230318T235221_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_220230318T235401_20230318T235433_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_220230318T011534_20230318T011809_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230318T012007_20230318T012541_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230318T025436_20230318T025715_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230318T093149_20230318T093518_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230318T111101_20230318T111422_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230318T143539_20230318T143734_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20230318T161414_20230318T162106_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230318T225036_20230318T225341_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
CS_OFFL_SIR_LRM_220230317T234622_20230318T002057_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_220230318T004540_20230318T005010_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_220230318T005056_20230318T010835_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_220230318T012654_20230318T014131_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_220230318T014252_20230318T014427_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_220230318T014909_20230318T015622_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_220230318T020133_20230318T020152_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230318T020221_20230318T020228_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230318T020230_20230318T020327_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230318T021619_20230318T023349_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_220230318T023523_20230318T024928_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_220230318T030558_20230318T032132_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_220230318T032338_20230318T033300_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_220230318T033539_20230318T033815_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230318T040057_20230318T041203_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_220230318T041834_20230318T042329_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_220230318T044514_20230318T050045_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_220230318T051434_20230318T051442_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records

CS_OFFL_SIR_LRM_220230318T053734_20230318T054743_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_220230318T054745_20230318T061128_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_220230318T061359_20230318T061606_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230318T062434_20230318T064954_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_220230318T072149_20230318T075023_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_20230318T080330_20230318T082417_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_220230318T082419_20230318T083549_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_220230318T084037_20230318T084132_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_220230318T085541_20230318T092944_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_220230318T100805_20230318T100936_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230318T101942_20230318T102142_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_220230318T103501_20230318T110912_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_220230318T112116_20230318T114117_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_220230318T115004_20230318T115146_E001	Height Error (Retracker 2), Height Error (Retracker 3),	There is a height error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220230318T121056_20230318T121132_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_220230318T121315_20230318T123330_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_220230318T123346_20230318T124656_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_220230318T130038_20230318T133653_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_220230318T135637_20230318T140400_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_220230318T140842_20230318T140951_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_220230318T140953_20230318T141240_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_220230318T141337_20230318T142626_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_220230318T144358_20230318T145701_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_220230318T145915_20230318T151112_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_220230318T151412_20230318T151425_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_220230318T153837_20230318T154902_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_220230318T155042_20230318T160543_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_220230318T162858_20230318T163310_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_220230318T163817_20230318T164254_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20230318T164417_20230318T165126_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_20230318T171217_20230318T171310_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20230318T171312_20230318T171331_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230318T171942_20230318T172220_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_220230318T172304_20230318T174443_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_220230318T175748_20230318T182409_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_20230318T185844_20230318T185959_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_220230318T190003_20230318T192425_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_220230318T193654_20230318T201029_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_220230318T203413_20230318T205511_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_220230318T205732_20230318T210408_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_220230318T211625_20230318T215103_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230318T220421_20230318T220522_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_220230318T221258_20230318T221339_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_220230318T225556_20230318T231847_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_220230318T232133_20230318T233056_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_220230318T234401_20230318T234707_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_220230318T235050_20230318T235118_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_220230318T235222_20230318T235401_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_SAR_2_20230318T002058_20230318T002213_E001	Backscatter Error (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_20230318T002350_20230318T003053_E001	Backscatter Error (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_220230318T003054_20230318T004539_E001	Backscatter Error (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_20230318T010836_20230318T011139_E001	Backscatter Error (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_20230318T011234_20230318T011534_E001	Backscatter Error (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_20230318T012541_20230318T012654_E001	Backscatter Error (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_20230318T014132_20230318T014252_E001	Backscatter Error (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_20230318T014428_20230318T014908_E001	Backscatter Error (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_20230318T015622_20230318T015803_E001	Backscatter Error (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_20230318T015815_20230318T020105_E001	Backscatter Error (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_220230318T020339_20230318T020503_E001	Backscatter Error (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_20230318T020525_20230318T020946_E001	Backscatter Error (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_20230318T020947_20230318T021056_E001	Backscatter Error (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_220230318T021551_20230318T021619_E001	Backscatter Error (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_220230318T023349_20230318T023523_E001	Backscatter Error (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_220230318T024929_20230318T025436_E001	Backscatter Error (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_220230318T032132_20230318T0322337_E001	Backscatter Error (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_220230318T034324_20230318T034654_E001	Backscatter Error (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_220230318T034654_20230318T035003_E001	Backscatter Error (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_220230318T035334_20230318T035805_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
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CS_OFFL_SIR_SAR_220230318T035907_20230318T040056_E001	Backscatter Error (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_220230318T043225_20230318T043302_E001	Backscatter Error (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_220230318T044512_20230318T044514_E001	Backscatter Error (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_220230318T050046_20230318T050707_E001	Backscatter Error (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_220230318T050707_20230318T050900_E001	Backscatter Error (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_220230318T052246_20230318T052920_E001	Backscatter Error (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_220230318T053516_20230318T053734_E001	Backscatter Error (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_220230318T061128_20230318T061211_E001	Backscatter Error (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_220230318T070025_20230318T070250_E001	Backscatter Error (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_220230318T070314_20230318T070411_E001	Backscatter Error (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_220230318T070441_20230318T070536_E001	Backscatter Error (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_220230318T070544_20230318T070933_E001	Backscatter Error (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_220230318T075024_20230318T075138_E001	Backscatter Error (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_220230318T083832_20230318T084037_E001	Backscatter Error (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_220230318T084132_20230318T085133_E001	Backscatter Error (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_220230318T092945_20230318T093148_E001	Backscatter Error (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_220230318T094207_20230318T094215_E001	Backscatter Error (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_220230318T094838_20230318T095150_E001	Backscatter Error (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_220230318T100936_20230318T101023_E001	Backscatter Error (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_220230318T101516_20230318T101830_E001	Backscatter Error (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_220230318T102142_20230318T103025_E001	Backscatter Error (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_220230318T103428_20230318T103500_E001	Backscatter Error (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_220230318T110912_20230318T111101_E001	Backscatter Error (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_220230318T112100_20230318T112116_E001	Backscatter Error (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_220230318T114933_20230318T115003_E001	Backscatter Error (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_220230318T115147_20230318T115500_E001	Backscatter Error (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_220230318T115500_20230318T120130_E001	Backscatter Error (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_220230318T120309_20230318T121014_E001	Backscatter Error (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_220230318T121132_20230318T121315_E001	Backscatter Error (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_220230318T123330_20230318T123346_E001	Backscatter Error (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_220230318T124657_20230318T124811_E001	Backscatter Error (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_220230318T125946_20230318T130038_E001	Backscatter Error (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_220230318T133653_20230318T133719_E001	Backscatter Error (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_220230318T134216_20230318T134929_E001	Backscatter Error (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_220230318T135143_20230318T135636_E001	Backscatter Error (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_220230318T140401_20230318T140842_E001	Backscatter Error (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_220230318T141240_20230318T141337_E001	Backscatter Error (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_220230318T143734_20230318T144357_E001	Backscatter Error (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_220230318T145701_20230318T145915_E001	Backscatter Error (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_220230318T151112_20230318T151235_E001	Backscatter Error (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_220230318T151236_20230318T151411_E001	Backscatter Error (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_220230318T151426_20230318T151914_E001	Backscatter Error (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_220230318T152131_20230318T152814_E001	Backscatter Error (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_220230318T154903_20230318T155042_E001	Backscatter Error (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_220230318T162205_20230318T162212_E001	Backscatter Error (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_220230318T162308_20230318T162400_E001	Backscatter Error (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_220230318T165249_20230318T165458_E001	Backscatter Error (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_220230318T170010_20230318T170622_E001	Backscatter Error (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_220230318T172220_20230318T172304_E001	Backscatter Error (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_220230318T174443_20230318T174450_E001	Backscatter Error (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_220230318T175706_20230318T175748_E001	Backscatter Error (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_220230318T183834_20230318T184758_E001	Backscatter Error (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_220230318T193559_20230318T193653_E001	Backscatter Error (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_220230318T201527_20230318T202306_E001	Backscatter Error (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_220230318T202341_20230318T202455_E001	Backscatter Error (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_220230318T202615_20230318T202758_E001	Backscatter Error (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_220230318T205512_20230318T205731_E001	Backscatter Error (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_220230318T210408_20230318T210418_E001	Backscatter Error (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_220230318T211459_20230318T211624_E001	Backscatter Error (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_220230318T215457_20230318T220127_E001	Backscatter Error (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_220230318T220128_20230318T220421_E001	Backscatter Error (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_220230318T221526_20230318T221602_E001	Backscatter Error (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_220230318T223059_20230318T223413_E001	Backscatter Error (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_220230318T224338_20230318T224353_E001	Backscatter Error (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_220230318T225341_20230318T225555_E001	Backscatter Error (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_220230318T231848_20230318T232133_E001	Backscatter Error (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_220230318T233057_20230318T233240_E001	Backscatter Error (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_220230318T233325_20230318T234027_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CH. CH. BR. BM 2. 2020 HT15462.2020 HT15452.0100 Excertion is in the solution of the Resource of		Backscatter Error (Retracker 2),	
Control Description Description <thdescription< th=""> <thdescription< th=""> <th< td=""><td>CS_OFFL_SIR_SAR_2202303181234028_202303181234210_E001</td><td>Backscatter Error (Retracker 3)</td><td>There is a backscatter error for Retracker 2 and 3 for one or more records</td></th<></thdescription<></thdescription<>	CS_OFFL_SIR_SAR_2202303181234028_202303181234210_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
Control Description Description <thdescription< th=""> <thdescription< th=""> <th< td=""><td>CS_OFFL_SIR_SAR_220230318T234214_20230318T234250_E001</td><td></td><td>There is a backscatter error for Retracker 2 and 3 for one or more records</td></th<></thdescription<></thdescription<>	CS_OFFL_SIR_SAR_220230318T234214_20230318T234250_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
 De Johnson L, and De Johnson J, and De Johnson J. 2000. De Johnson J, and De Johnson J, and De Johnson J. 2000. De Johns	CS_OFFL_SIR_SAR_220230318T234334_20230318T234401_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
 March (1994) (200	CS_OFFL_SIR_SAR_220230318T234707_20230318T235050_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
Corp. Sol. Sol. Zol. Zol. 2002 Expert Sol. Sol. Zol. 2002 Interaction Sol Corp. Sol. 2002 Interaction Solution Solutio Solutio Solution Solution Solution Solution Solution Solutio S	CS_OFFL_SIR_SAR_220230318T235118_20230318T235221_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
A. D. T. S. M. J. According to 2001 (J. 2000) (ST 1000) (J. 2000) (ST 10000) (J. 2000) (ST 1000) (J. 2000) (ST 1000) (J. 20	CS_OFFL_SIR_SAR_2_20230318T235401_20230318T235433_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CD: CPFL_SPR_SPLINSTANTINSTANT_PRODUCTING_DECOMPTONE Rescanting from phonones 7, second processing from the second prom the second processing from the second pr	CS_OFFL_SIR_SIN_2_20230318T005010_20230318T005056_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
GS. OFFL. SIN. 2	CS_OFFL_SIR_SIN_2_20230318T011534_20230318T011809_E001	Backscatter Error (Retracker 3), SARIn X	
GS OFFL SIN SN 2_20200191020508_20200191020508_E001 Redestate From (Percedure 7), SARAF New Social on Control Sin	CS_OFFL_SIR_SIN_220230318T012007_20230318T012541_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error	
G6. OFFL_SIR_SNL2_2020016T021916_20020016T021916_E001 Seadoatte Error (Renaward), SARin, Maria de Badoatte E	CS_OFFL_SIR_SIN_2_20230318T020504_20230318T020525_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	was detected for SARIn mode, and no DEM or Slope Model was used for
GS_OFFL_SR_SN_2_02202101700529 Exact Energy (Paradox 7), SARia X Intel Advance for SARia mode for an energy exact and the paradox of the SARia mode for an energy exact and the paradox of the SARia mode for an energy exact and the paradox of the SARia mode for an energy exact and the paradox of the SARia mode for an energy exact and the paradox of the SARia mode for an energy exact and the paradox of the SARia mode for an energy exact and the paradox of the SARia mode for an energy exact and the paradox of the SARia mode for an energy exact and the paradox of the SARia mode for an energy exact and the paradox of the saria of the paradox of the paradox of the saria of the paradox o	CS_OFFL_SIR_SIN_2_20230318T021056_20230318T021551_E001	Backscatter Error (Retracker 3), SARIn X	
Applier Applier <t< td=""><td>CS_OFFL_SIR_SIN_2_20230318T025436_20230318T025715_E001</td><td>Backscatter Error (Retracker 3), SARIn X</td><td></td></t<>	CS_OFFL_SIR_SIN_2_20230318T025436_20230318T025715_E001	Backscatter Error (Retracker 3), SARIn X	
GS OFFL SIR SIN 2_20233181703640_0233181703558_E001 Badocate Enror (Pennolor 3), SARIM X_Mark Angle Enror (Pennolor 2), SARIM X_Mark Bernor (Pennolor 2), SARIM X_	CS_OFFL_SIR_SIN_220230318T025918_20230318T030021_E001	SARIn X-track Angle Error	
CS_OFFL_SIR_SIN_2_2023018T033301_2023018T03538_E001 Backscatter Error (Flemsber 7), SARIN X Intel SaR backscatter Error (Flemsber 7), SARIN X CS_OFFL_SIR_SIN_2_2023018T035003_2023018T0350111_E001 Backscatter Error (Flemsber 7), SARIN X There is a backscatter error for Fletsber 2 and 3 and an antibipuous angle was detected for SARIn mode for one or more records. CS_OFFL_SIR_SIN_2_2023018T035215_2023018T035215_2023018T035216_2023018T035216_2023018T045221_2023018T045221_2023018T045232_E001 Backscatter Error (Flemsber 7), SARIN X DS_OFFL_SIR_SIN_2_2023018T045217_2023018T045232_E001 Backscatter Error (Flemsber 7), SARIN X There is a backscatter error for Pletssker 2 and 3 and antibipuous angle scale Arge Error CS_OFFL_SIR_SIN_2_2023018T045217_2023018T045232_E001 Backscatter Error (Flemsber 7), SARIN X There is a backscatter error for Pletssker 2 and 3 and antibipuous angle scale Arge Error CS_OFFL_SIR_SIN_2_2023018T045217_2023018T045232_E001 Backscatter Error (Flemsber 7), SARIN X There is a backscatter error for Pletssker 2 and 3 and antibipuous angle scale arge Error flemsber 7) CS_OFFL_SIR_SIN_2_2023018T045311_E001 Backscatter Error (Flemsber 7), SARIN X There is a backscatter error for Pletssker 2 and 3 and antibipuous angle scale arge Error flemsber 7) CS_OFFL_SIR_SIN_2_2023018T045311_E001 Backscatter Error (Flemsber 7) There is a backscatter error for Pletssker 2 and 3 for one or more records CS_OFFL_SIR_SIN_2_2023018T045319_E001 Backscat	CS_OFFL_SIR_SIN_220230318T030420_20230318T030558_E001	Backscatter Error (Retracker 3), SARIn X	
GS OFFL_SIR_SIN_2_20230318T035015_20230318T035011_E001 Backacater Error (Remarker 3), SARin V Inter & Backacater Error (Remarker 3), SARin V GS_OFFL_SIR_SIN_2_20230318T035215_20230318T041524_20230318T041524_20230318T041524_20230318T041524_20230318T041524_20230318T041525 Backacater Error (Remarker 2), Backaca	CS_OFFL_SIR_SIN_220230318T033301_20230318T033538_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	was detected for SARIn mode, and no DEM or Slope Model was used for
CS_OFFL_SIR_SIN_2_20230318T043215_20230318T041833_E001 Backscatter Error (Retracker 3), SARin V Intel solubocutation for the mode for one or more records CS_OFFL_SIR_SIN_2_20220318T041224_20230318T041833_E001 Backscatter Error (Retracker 2), Backscatter	CS_OFFL_SIR_SIN_220230318T035003_20230318T035111_E001	Backscatter Error (Retracker 3), SARIn X	
CS_OFFL_SIR_SIR_2_A020318104122_0203018104123_E001 Backscatter Error (Retracker 2) Backscatter Error (Retracker	CS_OFFL_SIR_SIN_220230318T035215_20230318T035334_E001	Backscatter Error (Retracker 3), SARIn X	
OS_OFFL_SIR_SIN_2_20230318T04229_20230318T04225_E001 Backstatter Error (Retracker 3) rack Angle Error SARIN Virtue in a Laboration and a match and an antipuous angle backstatter Error (Retracker 2) Backstatter Error (Retracker 2), SARIN Error Is a backstatter error for Retracker 2 and 3 and an ambipuous angle was detected for SARIn mode and no DEM or Sbpe Model was used for the backing for one or more records CS_OFFL_SIR_SIN_2_20230318T061031_20230318T061535_E001 Backstatter Error (Retracker 2), SARIN Error Is a backstatter error for Retracker 2 and 3 and an ambipuous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_20230318T061211_20230318T061235_E001 Backstatter Error (Retracker 2), SARIN Backstatter Error (Retracker 2), SARIN Error Is a backstatter error for Retracker 2 and 3 and an ambipuous angle was detected for SARIN mode for one or more records	CS_OFFL_SIR_SIN_2_20230318T041224_20230318T041833_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
US_OFFL_SIR_SIN_2_20230318104321_20230318104321_E001 Backscatter Error (Retracker 3) Infer is a backscatter error for Retracker 2 and 3 or one or more records CS_OFFL_SIR_SIN_2_202303181044313_202303181044511_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN Track Angle Error Note is a backscatter error for Retracker 2 and 3, an ambiguous angle mackscatter Error (Retracker 3), SARIN Track Angle Error CS_OFFL_SIR_SIN_2_20230318T061637_E001 SARIN X-track Angle Error Note is a backscatter error for Retracker 2 and 3 and an ambiguous angle mackscatter Error (Retracker 3), SARIN Track Angle Error, Surface model Inroved for one or more records CS_OFFL_SIR_SIN_2_20230318T061637_E001 SARIN X-track Angle Error, Surface model	CS_OFFL_SIR_SIN_220230318T042329_20230318T042753_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	was detected for SARIn mode, and no DEM or Slope Model was used for
CS_OFFL_SIR_SIN_2_20230318T043519_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), SARIN X track Angle Error CS_OFFL_SIR_SIN_2_20230318T061607_E001 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_20230318T061602_202_03018T06121_20230318T061637_E001 SARIN X track Angle Error SARIN X track Angle Error An ambiguous angle was detected for SARIN mode and no DEM or Slope Model unavailable CS_OFFL_SIR_SIN_2_20230318T065218_20230318T065218_20230318T065357_E001 SARIN X track Angle Error, Surface SARIN X track Angle Error, Surface SARIN X track Angle Error, Surface model unavailable <td< td=""><td>CS_OFFL_SIR_SIN_2_20230318T043217_20230318T043225_E001</td><td></td><td>There is a backscatter error for Retracker 2 and 3 for one or more records</td></td<>	CS_OFFL_SIR_SIN_2_20230318T043217_20230318T043225_E001		There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20230318T044323_20230318T044511_E001 Backscatter Error (Retracker 2), SARIN X Backscatter Error (Retracker 2), SARIN X 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_20230318T051031_20230318T051407_E001 SARIN X-track Angle Error (Retracker 2), SARIN X Backscatter Error (Retracker 2), SARIN X 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 one or more records CS_OFFL_SIR_SIN_2_20230318T061211_20230318T061265_E001 Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3 and 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_20230318T061065_20230318T061665_E001 SARIN X-track Angle Error Backscatter Error (Retracker 2), 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_20230318T061065_20230318T062434_E001 SARIN X-track Angle Error Backscatter Error (Retracker 2), Backscatter Err	CS_OFFL_SIR_SIN_220230318T043302_20230318T043519_E001	Backscatter Error (Retracker 3), SARIn X	
CS_OFFL_SIR_SIN_2_202303181051031_202303181051031_202303181051031_202303181051031_202303181051031_202303181053515_E001 model unavailable Model was used for one or more records CS_OFFL_SIR_SIN_2_202303181052920_202303181053515_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X 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_202303181061201_202303181061635_E001 SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_202303181061206_202_303181061637_E001 SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_202303181062208_202303181062334_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X 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_202303181065218_202303181065357_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 the location for one or more records CS_OFFL_SIR_SIN_2_2023031810701314_E001 Backscatter Error (Retracker 2), Backscatter Error (Retra	CS_OFFL_SIR_SIN_220230318T044323_20230318T044511_E001	Backscatter Error (Retracker 3), SARIn X	
CS_OFFL_SIR_SIN_2_20230318T052920_20230318T053515_E001 Backscatter Error (Retracker 2), SARIn X, Angle Error, Surface model unavailable SARIn X, 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_20230318T061211_20230318T061359_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X, Track Angle Error 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_20230318T061201_20230318T061637_E001 SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_20230318T062208_20230318T062434_E001 Backscatter Error (Retracker 3), SARIn X, Track Angle Error, Surface Model unavailable An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_20230318T065218_20230318T065357_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 the location for one or more records CS_OFFL_SIR_SIN_2_20230318T070251_20230318T070314_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 the location for one or more records CS_OFFL_SIR_SIN_2_20230318T070314_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retr	CS_OFFL_SIR_SIN_220230318T051031_20230318T051407_E001		
CS_OFFL_SIR_SIN_2_20230318T061211_20230318T061359_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X CS_OFFL_SIR_SIN_2_20230318T061606_20230318T061637_E001 SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_20230318T061606_20230318T061637_E001 SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_20230318T062208_20230318T062434_E001 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_20230318T065218_20230318T065357_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_20230318T070251_20230318T070314_E001 Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for thac 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_20230318T070411_20230318T070440_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	CS_OFFL_SIR_SIN_220230318T052920_20230318T053515_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	was detected for SARIn mode, and no DEM or Slope Model was used for
CS_OFFL_SIR_SIN_2_20230318T061606_20230318T061637_E001 SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_20230318T062208_20230318T062434_E001 Backscatter Error (Retracker 2), 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_20230318T065218_20230318T065357_E001 SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_20230318T070251_20230318T070314_E001 Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for 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_20230318T070411_20230318T070440_E001 Backscatter Error (Retracker 2), Surface model unavailable CS_OFFL_SIR_SIN_2_20230318T070411_20230318T070440_E001 Backscatter Error (Retracker 2), Backscatter Error for Retracker 2), Backscatter Error for Retracker 2), Backscatter Error Retracker 2), SARIN Track Angle Error, Surface model unavailable	CS_OFFL_SIR_SIN_220230318T061211_20230318T061359_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X	
CS_OFFL_SIR_SIN_2_20230318T062208_20230318T062434_E001 Backscatter Error (Retracker 3), SARIn X track Angle Error Interests a backscatter error for Pretracker 2 and 3 and an atholguous angle was detected for SARIn mode for one or more records CS_OFFL_SIR_SIN_2_20230318T065218_20230318T065357_E001 SARIn X-track Angle Error An ambiguous angle was detected for SARIn mode and no DEM or Slope model unavailable CS_OFFL_SIR_SIN_2_20230318T070251_20230318T070314_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_20230318T070411_20230318T070334_20230318T071338_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_2_20230318T070334_20230318T071338_E001 SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used fo	CS_OFFL_SIR_SIN_220230318T061606_20230318T061637_E001		
CS_OFFL_SIR_SIN_2_20230318T065218_20230318T065357_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_20230318T070251_20230318T070314_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_20230318T070411_20230318T070440_E001 Backscatter Error (Retracker 2), Backscatter error (Retracker 3), SARIN 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_20230318T070411_20230318T070440_E001 Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIN 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_20230318T070934_20230318T071338_E001 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_20230318T071427_20230318T071338_E001 SARIN X-track Angle Error, Surface model unavailable An ambiguous	CS_OFFL_SIR_SIN_220230318T062208_20230318T062434_E001	Backscatter Error (Retracker 3), SARIn X	
CS_OFFL_SIR_SIN_2_20230318T070251_20230318T070314_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_2_20230318T070411_20230318T070440_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_20230318T070934_20230318T071338_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_20230318T071338_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_2_20230318T071427_20230318T071427_20230318T071245_E001 SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope	CS_OFFL_SIR_SIN_220230318T065218_20230318T065357_E001	SARIn X-track Angle Error, Surface	
CS_OFFL_SIR_SIN_2_20230318T070411_20230318T070440_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_20230318T070934_20230318T071338_E001 Backscatter Error (Retracker 2), Backscatter 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_20230318T071427_20230318T071338_E001 SARIn X-track Angle Error, Surface 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_220230318T070251_20230318T070314_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	was detected for SARIn mode, and no DEM or Slope Model was used for
CS_OFFL_SIR_SIN_2_20230318T070934_20230318T071338_E001 Backscatter Error (Retracker 3), SARIN track Angle Error, Surface model unavailable SARIN X-track Angle Error, Surface Main and provide and pro	CS_OFFL_SIR_SIN_220230318T070411_20230318T070440_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable	was detected for SARIn mode, and no DEM or Slope Model was used for
	CS_OFFL_SIR_SIN_220230318T070934_20230318T071338_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	was detected for SARIn mode, and no DEM or Slope Model was used for
	CS_OFFL_SIR_SIN_220230318T071427_20230318T072125_E001		

CS_OFFL_SIR_SIN_220230318T075139_20230318T075320_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_220230318T075425_20230318T075608_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230318T080053_20230318T080116_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230318T080207_20230318T080329_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_220230318T085133_20230318T085540_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_220230318T093149_20230318T093518_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_220230318T094050_20230318T094206_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_220230318T101024_20230318T101150_E001	Backscatter Error (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_220230318T101838_20230318T101941_E001	Backscatter Error (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_220230318T103344_20230318T103428_E001	Backscatter Error (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_220230318T111101_20230318T111422_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_220230318T111936_20230318T112100_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_220230318T120131_20230318T120308_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_220230318T124811_20230318T125005_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_220230318T125837_20230318T125946_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_220230318T133720_20230318T133803_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_220230318T133803_20230318T133822_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230318T133803_20230318T133822_E001 CS_OFFL_SIR_SIN_220230318T134108_20230318T134215_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	
	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle
CS_OFFL_SIR_SIN_220230318T134108_20230318T134215_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle
CS_OFFL_SIR_SIN_220230318T134108_20230318T134215_E001 CS_OFFL_SIR_SIN_220230318T142626_20230318T142804_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable	records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle
CS_OFFL_SIR_SIN_220230318T134108_20230318T134215_E001 CS_OFFL_SIR_SIN_220230318T142626_20230318T142804_E001 CS_OFFL_SIR_SIN_220230318T143539_20230318T143734_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model	records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records 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
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CS_OFFL_SIR_SIN_220230318T183704_20230318T183833_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_220230318T185434_20230318T185634_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_220230318T185959_20230318T190003_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Calibration Warning	There is a backscatter error for Retracker 2 and 3 for one or more records and a calibration warning.
CS_OFFL_SIR_SIN_220230318T192426_20230318T192540_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_220230318T193439_20230318T193559_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_220230318T201029_20230318T201527_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_220230318T202306_20230318T202340_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_220230318T202455_20230318T202614_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_220230318T210418_20230318T210542_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_220230318T211347_20230318T211458_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_220230318T215104_20230318T215230_E001	Backscatter Error (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_220230318T215326_20230318T215457_E001	Backscatter Error (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_220230318T220522_20230318T220540_E001	Backscatter Error (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_220230318T220702_20230318T220824_E001	Backscatter Error (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_220230318T221340_20230318T221525_E001	Backscatter Error (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_220230318T224353_20230318T224519_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_220230318T225036_20230318T225341_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_220230318T234211_20230318T234213_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records