







1. Overview

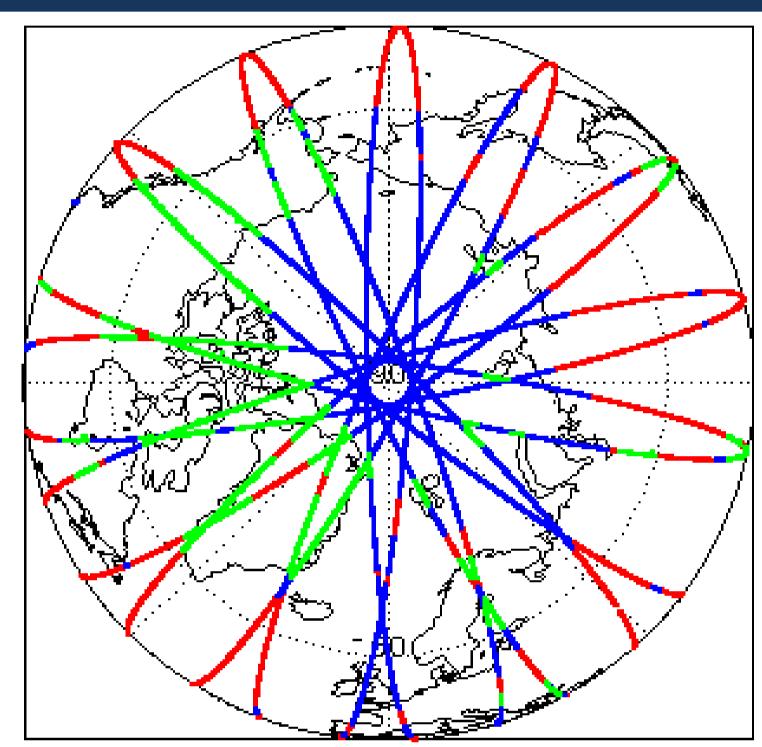
Report Production Date:	18-Jan-2023
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

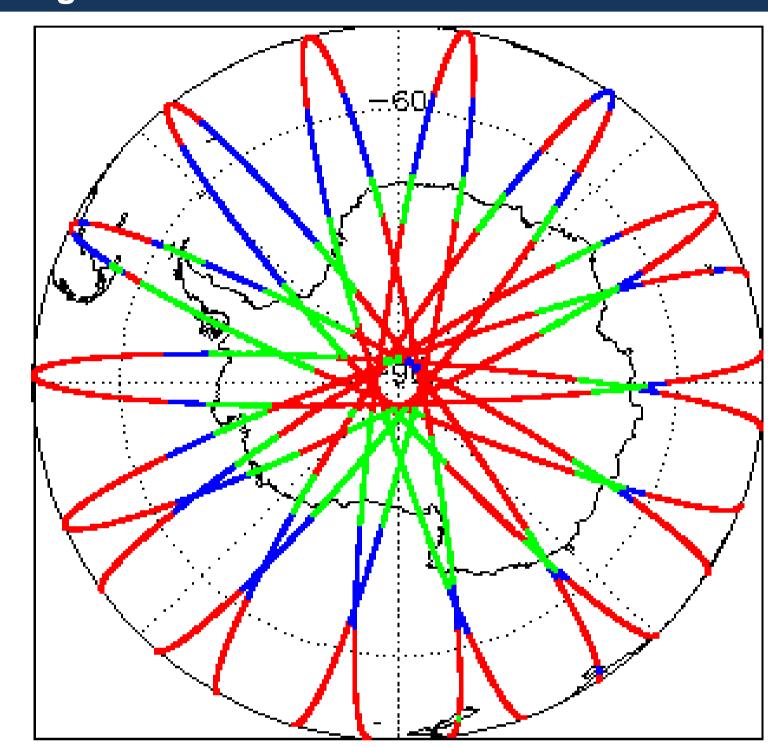
We would love to hear from you! Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com

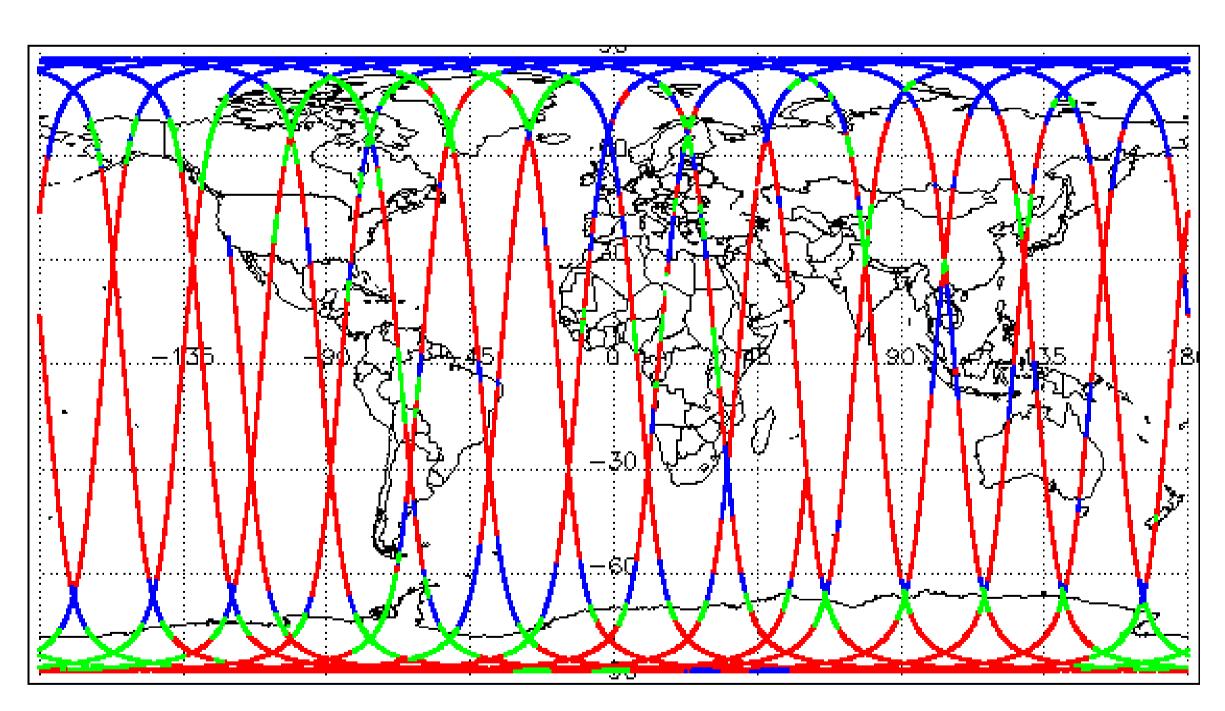
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File Usage Check	Nominal
L1B & L2 Auxiliary Correction Error Check	See Section 5.4
L1B & L2 Measurement Confidence Data Check	See Section 4.8 and 5.5
QCC Errors/ Warnings	See Section 6.1, 6.2 and 6.3

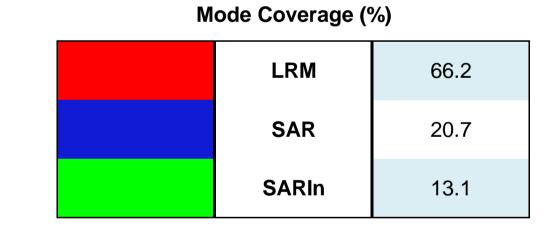
Mission / Instru	iment News
18-Dec-2022	None
19-Dec-2022	None
20-Dec-2022	Nothing planned

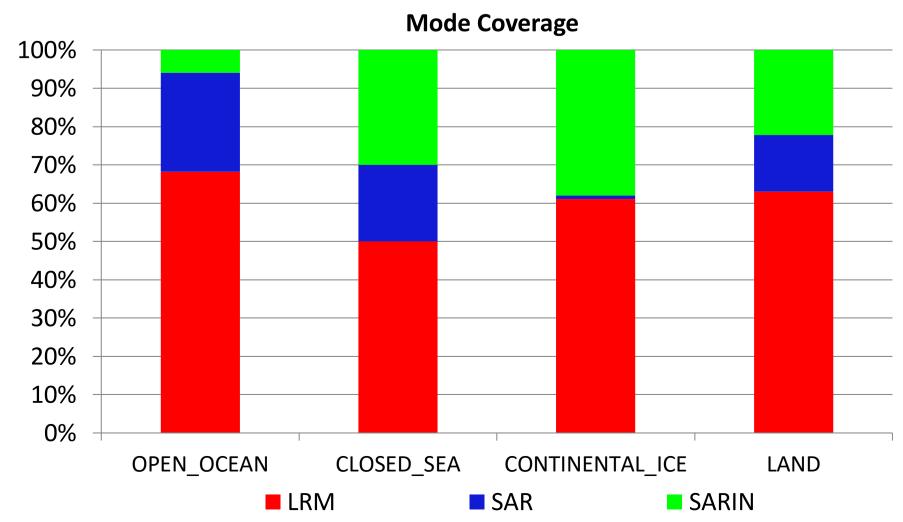
2. Global Coverage

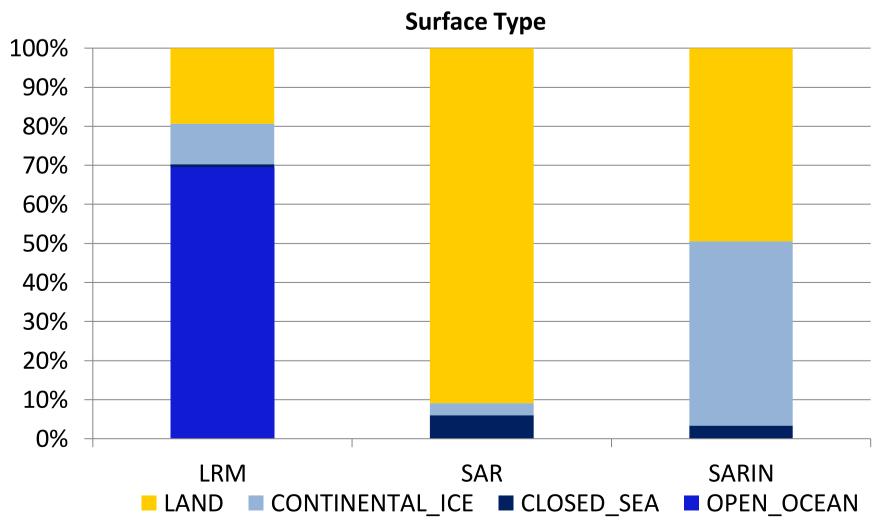












3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

0

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

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

Number of products with errors:

4.3 Star Tracker Usage Check

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

Number of products with errors:

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:

133

0

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20221219T001509_20221219T001835_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T011153_20221219T011515_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T011549_20221219T011741_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T011745_20221219T011903_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T011907_20221219T011914_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T011916_20221219T012551_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T012553_20221219T013154_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T013158_20221219T013208_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T013210_20221219T013659_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T014948_20221219T015537_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T020212_20221219T022431_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T022437_20221219T023450_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T025000_20221219T025030_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T025417_20221219T025546_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T025630_20221219T025658_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T025700_20221219T025712_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T030642_20221219T031008_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T031033_20221219T031224_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T041633_20221219T041658_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T043616_20221219T043749_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T043855_20221219T044346_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T044524_20221219T050356_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T051108_20221219T051333_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20221219T055500_20221219T055533_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T055536_20221219T055546_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T055548_20221219T055551_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T055554_20221219T055701_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T062846_20221219T064131_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T065046_20221219T065242_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T065428_20221219T065745_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T065944_20221219T071506_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T071708_20221219T072700_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T073015_20221219T073151_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T073153_20221219T073156_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T073159_20221219T073648_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T075222_20221219T080548_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T080910_20221219T081006_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T081029_20221219T081734_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T082915_20221219T083204_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T090224_20221219T090342_E001	Loss of echo	The tracking echo is missing for one or more records

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CS_OFFL_SR_LRM_IB_20221219T16448_2022129T194544F_ED01		Loss of echo	
CS OFFL SIR LIM 18 20221219T160618 20221219T164010 E001	CS_OFFL_SIR_LRM_1B_20221219T153636_20221219T154322_E001	Loss of echo	
CS_OFFL_SIR_LRM_18_20221219T164755_20221219T182015_E001	CS_OFFL_SIR_LRM_1B_20221219T154448_20221219T154641_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SIR_LRM_IB_20221219T174972_2021219T174972_E001 CS_OFF_SIR_LRM_IB_20221219T174972_2021219T174972_E001 Loss of oche The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20221219T17492_202222119T174972_E001 Loss of oche The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20221219T17492_20222219T17492_E001 Loss of oche The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20221219T17492_202221219T17492_E001 Loss of oche The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20221219T17492_20221219T174932_E001 Loss of oche The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20221219T174972_20221219T174932_E001 Loss of oche The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20221219T174972_20221219T174922_E001 Loss of oche The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20221219T1749220_E001 Loss of oche The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20221219T174220_E001 Loss of oche The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20221219T174220_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20221219T174220_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20221219T174220_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20221219T174220_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20221219T174260_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20221219T174261_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20221219T174261_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20221219T174270_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20221219T174270_E001 Loss of	CS_OFFL_SIR_LRM_1B_20221219T160618_20221219T163447_E001	Loss of echo	
CS OFFL SIR LRM. 18. 202212191174302 202212191774417. E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM. 18. 20221219174402 20221219174425 E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM. 18. 202212191718023 20221219178033 E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM. 18. 20221219178023 20221219178033 E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM. 18. 20221219178023 202212191780204 E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM. 18. 20221219178323 E02212901 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM. 18. 20221219178323 202212901 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM. 18. 20221219178220 8 202212191782204 E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM. 18. 20221219178220 8 20221219178220 E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM. 18. 20221219178224 9 20221219178220 E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM. 18. 20221219178224 9 20221219178224 E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM. 18. 20221219178224 9 20221219178224 E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM. 18. 20221219178224 9 20221219178225 E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM. 18. 20221219178224 9 20221219178225 E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM. 18. 20221219178224 0 20221219178225 E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM. 18. 20221219178274 0 2022121917825 E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM. 18. 20221219178275 2022121		Loss of echo	
CS_OFFL_SIR_LRM_18_20221917174430_20212191714410_E001 CS_OFFL_SIR_LRM_18_20221917174472 202212191714430_E001 CS_OFFL_SIR_LRM_18_202212191716003_202121917140033_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2022121917180738_20221219171803033_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2022121917182738_2022121917180303_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202212191782738_2022121918031_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202212191782738_202212191782211_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202212191782208_202212191782211_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202212191782208_202212191792201 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202212191782208_202212191792230_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202212191792243_202212191792256_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202212191792243_202212191792256_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202212191792243_202212191792245.E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202212191792243_202212191792256_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219179241_20121192514_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219179240_202212191792514_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_202212191792510_20221219179253_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2022121917927928_2021219179278_E001 Loss of echo		Loss of echo	
CS_OFFL_SIR_LRM_1B_20221219T174412_2022129T18033_E001 CS_OFFL_SIR_LRM_1B_20221219T180978_2022129T181931_E001 Loss of ocho The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T180978_2022129T181931_E001 Loss of ocho The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T18328_E001 Loss of ocho The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T18328_E001 Loss of ocho The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T18328_E001 Loss of ocho The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T18238_E001 Loss of ocho The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T182238_E0021219T182239_E001 Loss of ocho The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T182238_E0021219T182239_E001 Loss of ocho The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T182248_E001 Loss of ocho The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T182248_E001 Loss of ocho The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T182248_E001 Loss of ocho The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T182248_E001 Loss of ocho The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T182248_E001 Loss of ocho The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T182231_202119T182236_E001 Loss of ocho The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T182231_202119T182358_E001 Loss of ocho The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T182358_E001 Loss of ocho The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T182358_E001 Loss of ocho The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T182368_E001 Loss of och	CS_OFFL_SIR_LRM_1B_20221219T174312_20221219T174317_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM.1B 20221219T192082.2022129T180335 E001 CS_OFFL_SIR_LRM_1B_20221219T181282.2022129T1812924 E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T1812924 E001 Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T182924 E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T182924 E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T19228_20221219T192239 E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T19224B_20221219T192239 E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T19224B_20221219T192239 E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T19224B_20221219T192239 E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T19224B_20221219T19225B_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T19224B_20221219T19234B_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T19224B_20221219T19258B_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192251_20221219T19259B_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192518_20221219T192558_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192518_20221219T192558_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T19278B_20221219T19278B_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T19278B_2022119T19278B_E001 Loss of echo The tracking echo is missing for one or	CS_OFFL_SIR_LRM_1B_20221219T174320_20221219T174410_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20221219T180736_20221219T18131_E001	CS_OFFL_SIR_LRM_1B_20221219T174412_20221219T174425_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20221219T18376_20221219T18391_E001	CS_OFFL_SIR_LRM_1B_20221219T174802_20221219T180333_E001	Loss of echo	
CS_OFFL_SIR_LRM_18_20221219T182768_20221219T182924_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T19208_20221219T192231_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192228_2022129T192239_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192248_2022129T192239_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192248_2022129T192248_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192240_2021219T192248_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192230_20221219T192316_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192230_20221219T192448_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192444_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192516_20221219T192516_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192516_20221219T192568_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192518_2021129T192516_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T19253_20221219T192553_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192703_20221219T19275_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T19276_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T19276_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T19275_20221219T19275_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T1920	CS_OFFL_SIR_LRM_1B_20221219T180736_20221219T181245_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T192248_20221219T19229E_ED01 CS_OFFL_SIR_LRM_1B_20221219T192249_20221219T19229E_ED01 CS_OFFL_SIR_LRM_1B_20221219T192249_20221219T19229E_ED01 CS_OFFL_SIR_LRM_1B_20221219T192249_20221219T192256_ED01 CS_OFFL_SIR_LRM_1B_20221219T192249_20221219T192256_ED01 CS_OFFL_SIR_LRM_1B_20221219T192249_20221219T192256_ED01 CS_OFFL_SIR_LRM_1B_20221219T192249_20221219T192256_ED01 CS_OFFL_SIR_LRM_1B_20221219T192249_20221219T19258_ED01 CS_OFFL_SIR_LRM_1B_20221219T192240_20221219T192598_ED01 CS_OFFL_SIR_LRM_1B_20221219T192246_20221219T192598_ED01 CS_OFFL_SIR_LRM_1B_20221219T192510_20221219T192514_ED01 CS_OFFL_SIR_LRM_1B_20221219T192516_20221219T192514_ED01 CS_OFFL_SIR_LRM_1B_20221219T192516_20221219T192558_ED01 CS_OFFL_SIR_LRM_1B_20221219T192566_20201 CS_OFFL_SIR_LRM_1B_20221219T192566_2021219T192565_ED01 CS_OFFL_SIR_LRM_1B_20221219T192562_20221219T192564_ED01 CS_OFFL_SIR_LRM_1B_20221219T192562_20221219T192664_ED01 CS_OFFL_SIR_LRM_1B_20221219T192708_20221219T19276_ED01 CS_OFFL_SIR_LRM_1B_20221219T192708_20221219T19276_ED01 CS_OFFL_SIR_LRM_1B_20221219T19278_20221219T19278_ED01 CS_OFFL_SIR_LRM_1B_20221219T19278_20221219T192738_ED01 CS_OFFL_SIR_LRM_1B_20221219T19278_20221219T192738_ED01 CS_OFFL_SIR_LRM_1B_20221219T19278_20221219T192738_ED01 CS_OFFL_SIR_LRM_1B_20221219T19278_20221219T192738_ED01 CS_OFFL_SIR_LRM_1B_20221219T19278_20221219T192738_ED01 CS_OFFL_SIR_LRM_1B_20221219T19278_20221219T192738_ED01 CS_OFFL_SIR_LRM_1B_20221219T192780_20221219T192738_ED01 CS_OFFL_SIR_LRM_1B_20221219T192780_20221219T192738_ED01 CS_OFFL_SIR_LRM_1B_20221219T192780_20221219T192738_ED01 CS_OFFL_SIR_LRM_1B_20221219T192780_20221219T192738_ED01 CS_OFFL_SIR_LRM_1B_20221219T192780_20221219T192738_ED01 CS_OFFL_SIR_LRM_1B_20221219T192780_20221219T192735_ED01 CS_OFFL_SIR_LRM_1B_20221219T192780_20221219T192738_ED01 CS_OFFL_SIR_LRM_1B_20221219T192780_20221219T192738_ED01 CS_OFFL_SIR_LRM_1B_20221219T1920246_ED01 CS_OFFL_SIR_LRM_1B_20221219T1920246_ED01 CS_OFFL_SIR_LRM_1B_20221219T1920246_ED01 CS_OFFL_S	CS_OFFL_SIR_LRM_1B_20221219T181326_20221219T181931_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20221219T19228_20221219T19223B_E001 CS_OFFL_SIR_LRM_IB_20221219T192243_20221219T19223B_E001 CS_OFFL_SIR_LRM_IB_20221219T192243_20221219T192246_E001 CS_OFFL_SIR_LRM_IB_20221219T192243_20221219T192246_E001 CS_OFFL_SIR_LRM_IB_20221219T192240_20221219T192256_E001 CS_OFFL_SIR_LRM_IB_20221219T192230_20221219T192316_E001 CS_OFFL_SIR_LRM_IB_20221219T19230_20221219T192316_E001 CS_OFFL_SIR_LRM_IB_20221219T19230_20221219T192316_E001 CS_OFFL_SIR_LRM_IB_20221219T19231_20221219T192443_E001 CS_OFFL_SIR_LRM_IB_20221219T19246_20221219T192508_E001 CS_OFFL_SIR_LRM_IB_20221219T19246_20221219T192504_E001 CS_OFFL_SIR_LRM_IB_20221219T192503_20221219T192508_E001 CS_OFFL_SIR_LRM_IB_20221219T192533_20221219T192508_E001 CS_OFFL_SIR_LRM_IB_20221219T192533_20221219T192508_E001 CS_OFFL_SIR_LRM_IB_20221219T192533_20221219T192508_E001 CS_OFFL_SIR_LRM_IB_20221219T192533_20221219T192508_E001 CS_OFFL_SIR_LRM_IB_20221219T192533_20221219T192508_E001 CS_OFFL_SIR_LRM_IB_20221219T192533_20221219T192508_E001 CS_OFFL_SIR_LRM_IB_20221219T192703_20221219T192508_E001 CS_OFFL_SIR_LRM_IB_20221219T192708_20221219T192768_E001 CS_OFFL_SIR_LRM_IB_20221219T192708_20221219T192780_E001 CS_OFFL_SIR_LRM_IB_20221219T192708_20221219T192784_E001 CS_OFFL_SIR_LRM_IB_20221219T192760_20221219T192752_E001 CS_OFFL_SIR_LRM_IB_20221219T192760_20221219T192752_E001 CS_OFFL_SIR_LRM_IB_20221219T192760_20221219T192752_E001 CS_OFFL_SIR_LRM_IB_20221219T192760_20221219T192752_E001 CS_OFFL_SIR_LRM_IB_20221219T192760_20221219T192752_E001 CS_OFFL_SIR_LRM_IB_20221219T1920552_E001 CS_OFFL_SIR_LRM_IB_20221219T1920552_E001 CS_OFFL_SIR_LRM_IB_20221219T1920552_E001 CS_OFFL_SIR_LRM_IB_20221219T1020552_E001 CS_OFFL_SIR_LRM_IB_20221219T1020552_E001 CS_OFFL_SIR_LRM_IB_20221219T1020552_E001 CS_OFFL_SIR_LRM_IB_20221219T1020552_E001 CS_OFFL_SIR_LRM_IB_20221219T1020552_E001 CS_OFFL_SIR_LRM_IB_20221219T020552_E001 CS_OFFL_SIR_LRM_IB_20221219T020552_E001 CS_OFFL_SIR_LRM_IB_20221219T020552_E001 CS_OFFL_SIR_LRM_IB_20221219T020552_E001 CS_OFFL_SIR_L	CS_OFFL_SIR_LRM_1B_20221219T182710_20221219T182924_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T192248_20221219T19223B_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192249_20221219T192256_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192249_20221219T192316_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192302_0221219T19244B_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192446_20221219T192508_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192510_20221219T192514_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192510_20221219T192514_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192510_20221219T192529_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T19253_20221219T192528_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192703_20221219T192706_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192708_20221219T192708_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192708_20221219T192732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192708_20221219T192732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192750_20221219T192745_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192750_20221219T192752_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192705_20221219T192752_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20221219T192055_20221219T192741_E001 Loss of echo The tracki	CS_OFFL_SIR_LRM_1B_20221219T183758_20221219T185024_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T192243_20221219T192246_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20221219T192208_20221219T192211_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20221219T192249_20221219T19236_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192321_20221219T192443_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192321_20221219T192508_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192510_20221219T192514_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192510_20221219T192514_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192533_20221219T192553_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192533_20221219T192553_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T19253_20221219T192554_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192703_20221219T192706_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192703_20221219T192755_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192728_20221219T192738_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T192745_20221219T192752_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T193016_20221219T192752_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T1920207_20221219T192752_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T202007_20221219T202413_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T202055_20221219T202413_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20221219T202416_E001 Loss of echo The tracking echo is miss	CS_OFFL_SIR_LRM_1B_20221219T192218_20221219T192239_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T192302_0221219T192316_E001 CS_OFFL_SIR_LRM_1B_20221219T192321_02221219T192508_E001 CS_OFFL_SIR_LRM_1B_20221219T192446_20221219T192508_E001 CS_OFFL_SIR_LRM_1B_20221219T192510_02221219T192514_E001 CS_OFFL_SIR_LRM_1B_20221219T192510_0221219T192514_E001 CS_OFFL_SIR_LRM_1B_20221219T192516_02021219T192529_E001 CS_OFFL_SIR_LRM_1B_20221219T192533_20221219T192553_E001 CS_OFFL_SIR_LRM_1B_20221219T192532_2022119T192553_E001 CS_OFFL_SIR_LRM_1B_20221219T19250_20221219T192664_E001 CS_OFFL_SIR_LRM_1B_20221219T192703_20221219T192705_E001 CS_OFFL_SIR_LRM_1B_20221219T192708_20221219T192738_E001 CS_OFFL_SIR_LRM_1B_20221219T192746_20221219T192738_E001 CS_OFFL_SIR_LRM_1B_20221219T192765_2001 CS_OFFL_SIR_LRM_1B_20221219T192765_2001 CS_OFFL_SIR_LRM_1B_20221219T192765_2001 CS_OFFL_SIR_LRM_1B_20221219T192765_2001 CS_OFFL_SIR_LRM_1B_20221219T19202418_20221219T020255_E001 CS_OFFL_SIR_LRM_1B_20221219T2020418_20221219T02055_E001 CS_OFFL_SIR_LRM_1B_20221219T2020418_20221219T02055_E001 CS_OFFL_SIR_LRM_1B_20221219T202055_20221219T020565_E001 CS_OFFL_SIR_LRM_1B_20221219T202055_20221219T020626_E001 CS_OFFL_SIR_LRM_1B_20221219T202055_20221219T020626_E001 CS_OFFL_SIR_LRM_1B_20221219T202055_20221219T020626_E001 CS_OFFL_SIR_LRM_1B_20221219T202055_20221219T020626_E001 CS_OFFL_SIR_LRM_1B_20221219T202055_20221219T020626_E001 CS_OFFL_SIR_LRM_1B_20221219T202055_20221219T020626_E001 CS_OFFL_SIR_LRM_1B_20221219T020554_20221219T020656_E001 CS_OFFL_SIR_LRM_1B_20221219T020556_20021219T020626_E001 CS_OFFL_SIR_LRM_1B_20221219T020556_20021219T020626_E001 CS_OFFL_SIR_LRM_1B_20221219T020556_20021219T020626_E001 CS_OFFL_SIR_LRM_1B_20221219T020556_20021219T020626_E001 CS_OFFL_SIR_LRM_1B_20221219T020556_20021219T020626_E001 CS_OFFL_SIR_LRM_1B_20221219T020556_20021219T020626_E001 CS_OFFL_SIR_LRM_1B_20221219T020556_20021219T020626_E001 CS_OFFL_SIR_LRM_1B_20221219T020556_20021219T020656_E001 CS_OFFL_SIR_LRM_1B_20221219T020556_20021219T020656_E001 CS_OFFL_SIR_LRM_1B_20221219T020556_20021219T020656_E001	CS_OFFL_SIR_LRM_1B_20221219T192243_20221219T192246_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T192321_20221219T192508_E001 CS_OFFL_SIR_LRM_1B_20221219T192510_20221219T192508_E001 CS_OFFL_SIR_LRM_1B_20221219T192510_20221219T192514_E001 CS_OFFL_SIR_LRM_1B_20221219T192510_20221219T192529_E001 CS_OFFL_SIR_LRM_1B_20221219T192516_20221219T192529_E001 CS_OFFL_SIR_LRM_1B_20221219T192516_20221219T192553_E001 CS_OFFL_SIR_LRM_1B_20221219T192533_20221219T192553_E001 CS_OFFL_SIR_LRM_1B_20221219T192533_20221219T192553_E001 CS_OFFL_SIR_LRM_1B_20221219T192703_20221219T192706_E001 CS_OFFL_SIR_LRM_1B_20221219T192708_20221219T192725_E001 CS_OFFL_SIR_LRM_1B_20221219T192708_20221219T192738_E001 CS_OFFL_SIR_LRM_1B_20221219T192708_20221219T192738_E001 CS_OFFL_SIR_LRM_1B_20221219T192750_20221219T192747_E001 CS_OFFL_SIR_LRM_1B_20221219T192750_20221219T192752_E001 CS_OFFL_SIR_LRM_1B_20221219T192760_20221219T192755_E001 CS_OFFL_SIR_LRM_1B_20221219T192760_20221219T192735_E001 CS_OFFL_SIR_LRM_1B_20221219T192760_20221219T192735_E001 CS_OFFL_SIR_LRM_1B_20221219T192760_20221219T192735_E001 CS_OFFL_SIR_LRM_1B_20221219T192760_20221219T192735_E001 CS_OFFL_SIR_LRM_1B_20221219T192007_20221219T19219255_E001 CS_OFFL_SIR_LRM_1B_20221219T192007_20221219T19219255_E001 CS_OFFL_SIR_LRM_1B_20221219T192007_20221219T19219255_E001 CS_OFFL_SIR_LRM_1B_20221219T192007_20221219T202413_E001 CS_OFFL_SIR_LRM_1B_20221219T202416_E001 CS_OFFL_SIR_LRM_1B_20221219T202416_E001 CS_OFFL_SIR_LRM_1B_20221219T202416_E001 CS_OFFL_SIR_LRM_1B_20221219T202418_20221219T202416_E001 CS_OFFL_SIR_LRM_1B_20221219T202418_20221219T20266_E001 CS_OFFL_SIR_LRM_1B_20221219T202418_20221219T20266_E001 CS_OFFL_SIR_LRM_1B_20221219T020255_20221219T20266_E001 CS_OFFL_SIR_LRM_1B_20221219T020255_20221219T020266_E001 CS_OFFL_SIR_LRM_1B_20221219T020255_20221219T020266_E001 CS_OFFL_SIR_LRM_1B_20221219T020255_20221219T020266_E001 CS_OFFL_SIR_LRM_1B_20221219T020255_20221219T020266_E001 CS_OFFL_SIR_LRM_1B_20221219T020255_20221219T020266_E001	CS_OFFL_SIR_LRM_1B_20221219T192249_20221219T192256_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20221219T210047_20221219T210506_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T210508_20221219T210509_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T210513_20221219T210525_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T210528_20221219T210535_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T210538_20221219T210541_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T210623_20221219T210636_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T210639_20221219T210642_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T210645_20221219T210656_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T210659_20221219T210710_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T210713_20221219T210720_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T210723_20221219T210727_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T210731_20221219T211057_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T211059_20221219T211113_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T211116_20221219T211122_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T211124_20221219T211126_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T211129_20221219T211130_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T211133_20221219T211134_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T211136_20221219T211137_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T211140_20221219T211142_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T211145_20221219T211227_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T211315_20221219T211430_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T214542_20221219T214659_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T215152_20221219T221815_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T222050_20221219T222609_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T222732_20221219T222821_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T224020_20221219T224708_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221219T224850_20221219T224937_E001	Loss of echo	The tracking echo is missing for one or more records

4.5 L1B Calibration Usage Check

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

Number of products with errors:

4.6 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.7 L1B Auxiliary Correction Error Check

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

Number of products with errors:

4.8 L1B Measurement Confidence Data Check

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

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

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

Phase Perturbation Applied Flag: This flag is currently set for all L1B SARIn products, indicating that the ADC correction application is deactivated, but this is in line with the current configuration.

Number of products with errors:

Product	Test Failed	Description
CS OFFL SIR LRM 1B 20221219T163457 20221219T164013 E001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set,
00_011E_011(_ERW_1B_202212101100401_202212101104010_E001	Lond char, Tract cond char	indicating a degraded echo

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

ucts with errors:

5.3 L2 Auxiliary Data File Usage Check

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

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Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

CryoSat L2 data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are several common error flags raised in the Level 2 products which are expected due to operational mode or surface type. All common flags are summarised in the list below, followed by a table of any additional issues arising from this test.

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

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

Number of products with errors: 124		
Product	Test Failed	Description
CS_OFFL_SIR_SAR_220221219T000722_20221219T000810_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_220221219T002000_20221219T002238_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_220221219T010736_20221219T011153_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_220221219T013659_20221219T014137_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_220221219T014617_20221219T014822_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_220221219T015852_20221219T020212_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_220221219T023450_20221219T023504_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_220221219T023558_20221219T023628_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_220221219T024521_20221219T024819_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_220221219T025031_20221219T025100_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_220221219T025150_20221219T025417_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_220221219T025712_20221219T030031_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_220221219T031225_20221219T031406_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_220221219T032434_20221219T032752_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_220221219T033732_20221219T034057_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_220221219T040243_20221219T040527_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_220221219T041502_20221219T041559_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_220221219T041602_20221219T041610_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_220221219T041611_20221219T041633_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_220221219T042422_20221219T042609_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_220221219T042723_20221219T042826_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_220221219T042851_20221219T043616_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_220221219T043750_20221219T043855_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_220221219T050356_20221219T050806_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_220221219T051848_20221219T052033_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_220221219T055338_20221219T055417_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_220221219T055422_20221219T055437_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_220221219T055439_20221219T055450_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_220221219T055457_20221219T055500_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_220221219T060834_20221219T060922_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_220221219T062832_20221219T062845_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_220221219T064131_20221219T064811_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_220221219T065913_20221219T065943_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_220221219T071506_20221219T071708_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_220221219T075215_20221219T075222_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_220221219T080548_20221219T080732_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_220221219T081734_20221219T082123_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_220221219T082202_20221219T082213_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_220221219T083830_20221219T083917_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_220221219T085334_20221219T085513_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_220221219T085603_20221219T090027_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_220221219T090027_20221219T090223_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_220221219T091017_20221219T091030_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_220221219T092507_20221219T092550_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_220221219T092730_20221219T092743_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 There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221219T092821_20221219T093041_E001	Snow depth model	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
CS_OFFL_SIR_SAR_220221219T093204_20221219T093229_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221219T093754_20221219T093915_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_220221219T100418_20221219T100530_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_220221219T101737_20221219T101823_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_220221219T104738_20221219T104837_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221219T114241_20221219T114509_E001	Snow depth model	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
CS_OFFL_SIR_SAR_220221219T115636_20221219T115742_E001	Snow depth model	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
CS_OFFL_SIR_SAR_220221219T122713_20221219T122748_E001	Snow depth model	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
CS_OFFL_SIR_SAR_220221219T123237_20221219T124301_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221219T132127_20221219T132456_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_220221219T133548_20221219T133721_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_220221219T134212_20221219T134722_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_220221219T140230_20221219T140402_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221219T140528_20221219T140600_E001	Snow depth model	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
CS_OFFL_SIR_SAR_220221219T140930_20221219T141034_E001	Snow depth model	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
CS_OFFL_SIR_SAR_220221219T141156_20221219T141225_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221219T141426_20221219T141520_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_220221219T142531_20221219T142556_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_220221219T150113_20221219T150435_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_220221219T151423_20221219T151737_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_220221219T154322_20221219T154448_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_220221219T154641_20221219T154651_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_220221219T154655_20221219T154744_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_220221219T154744_20221219T155236_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_220221219T155252_20221219T155530_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221219T155608_20221219T160618_E001	Snow depth model	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
CS_OFFL_SIR_SAR_220221219T164013_20221219T164152_E001	Snow depth model	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
CS_OFFL_SIR_SAR_220221219T164751_20221219T164757_E001	Snow depth model	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
CS_OFFL_SIR_SAR_220221219T165321_20221219T165652_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221219T172201_20221219T172307_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_220221219T173033_20221219T173115_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_220221219T174427_20221219T174429_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_220221219T174431_20221219T174444_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221219T174446_20221219T174451_E001	Snow depth model	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
CS_OFFL_SIR_SAR_220221219T174453_20221219T174518_E001	Snow depth model	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
CS_OFFL_SIR_SAR_220221219T174518_20221219T174802_E001	Snow depth model	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
CS_OFFL_SIR_SAR_220221219T180333_20221219T180736_E001	Snow depth model	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
CS_OFFL_SIR_SAR_220221219T181246_20221219T181326_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221219T181931_20221219T182001_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_220221219T182651_20221219T182657_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_220221219T182704_20221219T182710_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_220221219T183110_20221219T183758_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_220221219T185024_20221219T185145_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_220221219T192556_20221219T192604_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_220221219T192614_20221219T192628_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_220221219T192631_20221219T192651_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
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CS_OFFL_SIR_SAR_220221219T194124_20221219T194523_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_220221219T195828_20221219T195912_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_220221219T200551_20221219T200556_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_220221219T200603_20221219T200609_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_220221219T201022_20221219T201230_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_220221219T201402_20221219T201433_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_220221219T201908_20221219T202007_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_220221219T204648_20221219T204829_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_220221219T204911_20221219T204923_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_220221219T210547_20221219T210612_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_220221219T210619_20221219T210623_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_220221219T211430_20221219T211512_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_220221219T211513_20221219T211848_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_220221219T211851_20221219T212239_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_220221219T213749_20221219T213836_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_220221219T214505_20221219T214507_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_220221219T215026_20221219T215152_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_220221219T221815_20221219T222050_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_220221219T231211_20221219T231242_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_220221219T231700_20221219T231804_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_220221219T232943_20221219T233123_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_220221219T235802_20221219T235958_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_220221219T033431_20221219T033732_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221219T050806_20221219T051108_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221219T051333_20221219T051848_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221219T064811_20221219T065045_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221219T082312_20221219T082915_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221219T132456_20221219T132844_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221219T150435_20221219T150750_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221219T182925_20221219T183110_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221219T200746_20221219T201021_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221219T214659_20221219T215026_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records

There is an error with the Snow Depth value, where 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.

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: 239

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220221218T234223_20221219T000722_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
	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_220221219T011916_20221219T012551_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_220221219T013210_20221219T013659_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_220221219T020212_20221219T022431_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_220221219T022437_20221219T023450_E001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220221219T024819_20221219T024915_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_220221219T025700_20221219T025712_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_220221219T031033_20221219T031224_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_220221219T031407_20221219T032433_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_220221219T034057_20221219T040243_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_220221219T044524_20221219T050356_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_220221219T052033_20221219T055338_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_220221219T055500_20221219T055533_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220221219T060923_20221219T062832_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_220221219T062846_20221219T064131_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_220221219T065944_20221219T071506_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_220221219T071708_20221219T072700_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_220221219T074911_20221219T075215_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_220221219T075222_20221219T080548_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_220221219T083918_20221219T085334_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_220221219T085513_20221219T085603_E001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
00_011	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220221219T090456_20221219T090502_E001	Error (Retracker 2) Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220221219T090456_20221219T090502_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220221219T090456_20221219T090502_E001 CS_OFFL_SIR_LRM_220221219T090833_20221219T091016_E001	Surface Model Unavailable Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2)	No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220221219T090456_20221219T090502_E001 CS_OFFL_SIR_LRM_220221219T090833_20221219T091016_E001 CS_OFFL_SIR_LRM_220221219T094038_20221219T100417_E001	Surface Model Unavailable Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220221219T090456_20221219T090502_E001 CS_OFFL_SIR_LRM_220221219T090833_20221219T091016_E001 CS_OFFL_SIR_LRM_220221219T094038_20221219T100417_E001 CS_OFFL_SIR_LRM_220221219T101823_20221219T104334_E001	Surface Model Unavailable Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2)	No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220221219T090456_20221219T090502_E001 CS_OFFL_SIR_LRM_220221219T090833_20221219T091016_E001 CS_OFFL_SIR_LRM_220221219T094038_20221219T100417_E001 CS_OFFL_SIR_LRM_220221219T101823_20221219T104334_E001 CS_OFFL_SIR_LRM_220221219T105327_20221219T105352_E001	Surface Model Unavailable Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220221219T090456_20221219T090502_E001 CS_OFFL_SIR_LRM_220221219T090833_20221219T091016_E001 CS_OFFL_SIR_LRM_220221219T094038_20221219T100417_E001 CS_OFFL_SIR_LRM_220221219T101823_20221219T104334_E001 CS_OFFL_SIR_LRM_220221219T105327_20221219T105352_E001 CS_OFFL_SIR_LRM_220221219T111654_20221219T114241_E001	Surface Model Unavailable Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2)	No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20221219T090456_20221219T090502_E001 CS_OFFL_SIR_LRM_2_20221219T090833_20221219T091016_E001 CS_OFFL_SIR_LRM_2_20221219T094038_20221219T100417_E001 CS_OFFL_SIR_LRM_2_20221219T101823_20221219T104334_E001 CS_OFFL_SIR_LRM_2_20221219T105327_20221219T105352_E001 CS_OFFL_SIR_LRM_2_20221219T111654_20221219T114241_E001 CS_OFFL_SIR_LRM_2_20221219T1115742_20221219T122433_E001	Surface Model Unavailable Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2)	No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220221219T090456_20221219T090502_E001 CS_OFFL_SIR_LRM_220221219T090833_20221219T091016_E001 CS_OFFL_SIR_LRM_220221219T094038_20221219T100417_E001 CS_OFFL_SIR_LRM_220221219T101823_20221219T104334_E001 CS_OFFL_SIR_LRM_220221219T105327_20221219T105352_E001 CS_OFFL_SIR_LRM_220221219T111654_20221219T114241_E001 CS_OFFL_SIR_LRM_220221219T115742_20221219T122433_E001 CS_OFFL_SIR_LRM_220221219T125019_20221219T132127_E001	Surface Model Unavailable Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20221219T090456_20221219T090502_E001 CS_OFFL_SIR_LRM_2_20221219T090833_20221219T091016_E001 CS_OFFL_SIR_LRM_2_20221219T094038_20221219T100417_E001 CS_OFFL_SIR_LRM_2_20221219T101823_20221219T104334_E001 CS_OFFL_SIR_LRM_2_20221219T105327_20221219T105352_E001 CS_OFFL_SIR_LRM_2_20221219T111654_20221219T114241_E001 CS_OFFL_SIR_LRM_2_20221219T115742_20221219T122433_E001 CS_OFFL_SIR_LRM_2_20221219T125019_20221219T132127_E001 CS_OFFL_SIR_LRM_2_20221219T125019_20221219T134212_E001	Surface Model Unavailable Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Backscatter	No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one
CS_OFFL_SIR_LRM_2_20221219T090456_20221219T090502_E001 CS_OFFL_SIR_LRM_2_20221219T090833_20221219T091016_E001 CS_OFFL_SIR_LRM_2_20221219T094038_20221219T100417_E001 CS_OFFL_SIR_LRM_2_20221219T101823_20221219T104334_E001 CS_OFFL_SIR_LRM_2_20221219T105327_20221219T105352_E001 CS_OFFL_SIR_LRM_2_20221219T11654_20221219T114241_E001 CS_OFFL_SIR_LRM_2_20221219T115742_20221219T122433_E001 CS_OFFL_SIR_LRM_2_20221219T125019_20221219T132127_E001 CS_OFFL_SIR_LRM_2_20221219T133721_20221219T134212_E001 CS_OFFL_SIR_LRM_2_20221219T133721_20221219T134212_E001 CS_OFFL_SIR_LRM_2_20221219T135648_20221219T140229_E001	Surface Model Unavailable Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error	No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one
CS_OFFL_SIR_LRM_2_20221219T090456_20221219T090502_E001 CS_OFFL_SIR_LRM_2_20221219T090833_20221219T091016_E001 CS_OFFL_SIR_LRM_2_20221219T094038_20221219T100417_E001 CS_OFFL_SIR_LRM_2_20221219T101823_20221219T104334_E001 CS_OFFL_SIR_LRM_2_20221219T105327_20221219T105352_E001 CS_OFFL_SIR_LRM_2_20221219T111654_20221219T114241_E001 CS_OFFL_SIR_LRM_2_20221219T115742_20221219T1122433_E001 CS_OFFL_SIR_LRM_2_20221219T125019_20221219T132127_E001 CS_OFFL_SIR_LRM_2_20221219T133721_20221219T134212_E001 CS_OFFL_SIR_LRM_2_20221219T135648_20221219T140229_E001 CS_OFFL_SIR_LRM_2_20221219T135648_20221219T150113_E001	Surface Model Unavailable Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable Height Error (Retracker 2), Surface model unavailable	No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records
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CS_OFFL_SIR_LRM_220221219T172307_20221219T172950_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_220221219T174802_20221219T180333_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_220221219T180736_20221219T181245_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_220221219T181326_20221219T181931_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_220221219T183758_20221219T185024_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_220221219T185145_20221219T190834_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_220221219T193016_20221219T194124_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_220221219T194524_20221219T195828_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_220221219T201433_20221219T201907_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_220221219T203212_20221219T204448_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_220221219T210731_20221219T211057_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220221219T212239_20221219T213748_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_220221219T215152_20221219T221815_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_220221219T225147_20221219T231211_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_220221219T231242_20221219T231659_E001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2, a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220221219T233123_20221219T235802_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_220221219T000722_20221219T000810_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T002000_20221219T002238_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T005924_20221219T010700_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T010736_20221219T011153_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T013659_20221219T014137_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T014617_20221219T014822_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T015852_20221219T020212_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T023450_20221219T023504_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T023836_20221219T024521_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T024521_20221219T024819_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T025031_20221219T025100_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T025150_20221219T025417_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T025712_20221219T030031_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T031225_20221219T031406_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T032434_20221219T032752_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T033732_20221219T034057_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T040243_20221219T040527_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T041502_20221219T041559_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220221219T041744_20221219T042422_E001	Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
	Backscatter Error (Retracker 3) Backscatter Error (Retracker 2),	
CS_OFFL_SIR_SAR_220221219T042422_20221219T042609_E001	Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T042723_20221219T042826_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T042851_20221219T043616_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T043750_20221219T043855_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T050356_20221219T050806_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T051848_20221219T052033_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T055338_20221219T055417_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T055701_20221219T055819_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T055848_20221219T060317_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T060317_20221219T060432_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T060834_20221219T060922_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T062832_20221219T062845_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T064131_20221219T064811_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T065913_20221219T065943_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T071506_20221219T071708_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T073649_20221219T074150_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T074150_20221219T074322_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T075215_20221219T075222_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T081734_20221219T082123_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T082202_20221219T082213_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T083830_20221219T083917_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T085334_20221219T085513_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T085603_20221219T090027_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T091641_20221219T092247_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T092507_20221219T092550_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T092730_20221219T092743_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T092821_20221219T093041_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T093754_20221219T093915_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T100418_20221219T100530_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T101737_20221219T101823_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T105352_20221219T105403_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T105403_20221219T105631_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T105649_20221219T105746_E001	Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220221219T105809_20221219T110219_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T114241_20221219T114509_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T115636_20221219T115742_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T123237_20221219T124301_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T132127_20221219T132456_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T133548_20221219T133721_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T134212_20221219T134722_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T140230_20221219T140402_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T140528_20221219T140600_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T140930_20221219T141034_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T141156_20221219T141225_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T141426_20221219T141520_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T141609_20221219T142357_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T150113_20221219T150435_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T151423_20221219T151737_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T154322_20221219T154448_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T154655_20221219T154744_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T154744_20221219T155236_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T155252_20221219T155530_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T155608_20221219T160618_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T164013_20221219T164152_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T165321_20221219T165652_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T172201_20221219T172307_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T173033_20221219T173115_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T173544_20221219T174312_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T174453_20221219T174518_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T174518_20221219T174802_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T180333_20221219T180736_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T181246_20221219T181326_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T181931_20221219T182001_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T183110_20221219T183758_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T185024_20221219T185145_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T191455_20221219T192016_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T192046_20221219T192153_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220221219T194124_20221219T194523_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T195828_20221219T195912_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T201022_20221219T201230_E001	Backscatter Error (Retracker 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_20221219T201402_20221219T201433_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T201908_20221219T202007_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T204648_20221219T204829_E001	Backscatter Error (Retracker 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_20221219T204911_20221219T204923_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T205350_20221219T210047_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T211513_20221219T211848_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T211851_20221219T212239_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T213749_20221219T213836_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T215026_20221219T215152_E001	Backscatter Error (Retracker 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_20221219T223212_20221219T223719_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T223758_20221219T224020_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T231211_20221219T231242_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T231700_20221219T231804_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T232943_20221219T233123_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221219T235802_20221219T235958_E001	Backscatter Error (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_220221219T000811_20221219T000946_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_220221219T001502_20221219T001508_E001	SARIN X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220221219T001835_20221219T002000_E001	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_220221219T005517_20221219T005923_E001	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_220221219T010700_20221219T010735_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_220221219T014823_20221219T014947_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_220221219T015739_20221219T015852_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_220221219T023504_20221219T023558_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_220221219T023628_20221219T023835_E001	Backscatter Error (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_220221219T024916_20221219T024959_E001	Backscatter Error (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_220221219T025100_20221219T025150_E001	Backscatter Error (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_220221219T032752_20221219T032918_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_220221219T033431_20221219T033732_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_220221219T050806_20221219T051108_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_220221219T051333_20221219T051848_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_220221219T055819_20221219T055847_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_220221219T060432_20221219T060833_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_220221219T064811_20221219T065045_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_220221219T065242_20221219T065427_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220221219T065745_20221219T065913_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_220221219T072701_20221219T073015_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_220221219T074322_20221219T074437_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_220221219T074633_20221219T074911_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_220221219T082123_20221219T082202_E001	Backscatter Error (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_220221219T082312_20221219T082915_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_220221219T083204_20221219T083216_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220221219T083647_20221219T083830_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_220221219T092248_20221219T092506_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_220221219T092550_20221219T092730_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_220221219T092743_20221219T092820_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_220221219T093041_20221219T093204_E001	Backscatter Error (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_220221219T093916_20221219T094038_E001	Backscatter Error (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_220221219T100531_20221219T100717_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_220221219T101552_20221219T101737_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_220221219T104334_20221219T104557_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_220221219T104617_20221219T104734_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_220221219T105632_20221219T105649_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_220221219T105747_20221219T105808_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_220221219T110219_20221219T110701_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_220221219T114509_20221219T114644_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_220221219T114813_20221219T114931_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220221219T115350_20221219T115636_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_220221219T124301_20221219T125019_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_220221219T132456_20221219T132844_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_220221219T133431_20221219T133547_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_220221219T140403_20221219T140528_E001	Backscatter Error (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_220221219T141034_20221219T141156_E001	Backscatter Error (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_220221219T141249_20221219T141333_E001	Backscatter Error (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_220221219T141520_20221219T141609_E001	track Angle Error Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220221219T142357_20221219T142515_E001	Backscatter Error (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_220221219T142556_20221219T142729_E001	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_220221219T150435_20221219T150750_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_220221219T151303_20221219T151422_E001	TRACKSCATTOR FILL (ROTTACKOL 3) SARIN XI	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_220221219T153413_20221219T153636_E001	Backscatter Error (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_220221219T155531_20221219T155607_E001	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_220221219T164152_20221219T164602_E001	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_220221219T165211_20221219T165321_E001	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_220221219T173115_20221219T173340_E001	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_220221219T173423_20221219T173543_E001	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_220221219T182001_20221219T182128_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_220221219T182925_20221219T183110_E001	TRACKSCATTOR FROM TRATTACKOR 31 SARIN XI	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_220221219T190834_20221219T191254_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_220221219T191338_20221219T191454_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_220221219T192016_20221219T192046_E001	itrack Angle Error, Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220221219T192758_20221219T193015_E001	Backscatter Error (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_220221219T195912_20221219T200055_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_220221219T200746_20221219T201021_E001	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_220221219T201231_20221219T201402_E001	itrack Angle Error, Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220221219T204448_20221219T204611_E001	· ·	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_220221219T204829_20221219T204911_E001	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_220221219T204923_20221219T205301_E001	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_220221219T205301_20221219T205350_E001	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_220221219T213837_20221219T214031_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_220221219T214536_20221219T214542_E001	ISARIN X-Track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220221219T214659_20221219T215026_E001	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_220221219T222821_20221219T223212_E001	itrack Angle Error Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records

CS_OFFL_SIR_SIN_220221219T223720_20221219T223757_E001	track Angle Error Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220221219T224709_20221219T224850_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_220221219T224939_20221219T225147_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_220221219T231805_20221219T232030_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_220221219T232807_20221219T232942_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