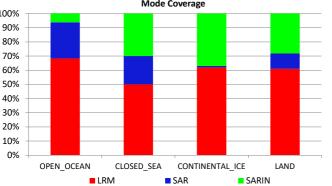


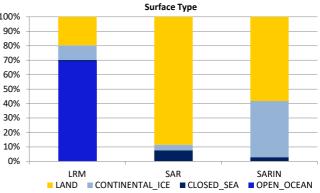
# **QA4EO Daily Report for OFFLINE data:**

<u>18/01/2022</u>

IDEAS-QA4E®

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		1. Overview	
		<u>.</u>	
eport Production Date:	18-Feb-2022	Check	Status
		Server check: science-pds.cryosat.esa.	
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.ir Product Software Check	t Nominal Nominal
		Product Format Check	Nominal
Data Used:	L1B and L2 OFFLINE Data	Product Header Analysis	Nominal
		Star Tracker Usage Check	Nominal
		L1B Tracking Flag Check	See Section 4.4
		L1B Calibration Usage Check	See Section 4.5
		L1B & L2 Auxiliary Data File Usage Cher	
		L1B & L2 Auxiliary Correction Error Chee L1B & L2 Measurement Confidence Data C	
		QCC Errors/ Warnings	See Section 4.0 and 5.5 See Section 6.1, 6.2 and 6.3
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ion / Instrument News Jan-2022 None			
Jan-2022 None Jan-2022 Nothing planned			
		2. Global Coverage	
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## 3. Instrument Configuration

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

SIRAL - A

SIRAL instrument(s) in use:

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 NetCDF product file (.nc).

Number of products with errors:

#### 4.2 L1B Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.
Number of products with errors:
0

#### 4.3 Star Tracker Usage Check

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

Number of products with errors:

## 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.

0

148

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

#### Number of products with errors:

CS, OFFL, SHL, LN 118, 202211117012450, 20221118700126, E001     Loss of exho     The tracking exho is missing for one or more records       CS, OFFL, SHL, LN 118, 20221118700247, 20220118700247, E001     Loss of exho     The tracking exho is missing for one or more records       CS, OFFL, SHL, LN 118, 2022118700247, 20220118700247, E001     Loss of exho     The tracking exho is missing for one or more records       CS, OFFL, SHL, LN 118, 2022118700270, 20220118700277, E001     Loss of exho     The tracking exho is missing for one or more records       CS, OFFL, SHL, LN 118, 20220118700270, 20220118700277, E001     Loss of exho     The tracking exho is missing for one or more records       CS, OFFL, SHL, LN 118, 20220118700270, 20220118700277, E001     Loss of exho     The tracking exho is missing for one or more records       CS, OFFL, SHL, LN 118, 20220118700271, 20220118700277, E001     Loss of exho     The tracking exho is missing for one or more records       CS, OFFL, SHL, LN 118, 20220118700274, 20220118700274, E001     Loss of exho     The tracking exho is missing for one or more records       CS, OFFL, SHL, LN 118, 20220118700274, 20220118700274, E001     Loss of exho     The tracking exho is missing for one or more records       CS, OFFL, SHL, LN 118, 20220118701274, 20220118700274, E001     Loss of exho     The tracking exho is missing for one or more records       CS, OFFL, SHL, LN 118, 20220118701274, E001     Loss of exho     The tracking exho is missing for one or more records       CS, OFFL, SHL, LN 118, 20220118701274, E001     Loss of e	Product	Test Failed	Description
CS OFFL SRL FM 19 2020118700246         Loss of exbo         The tacking exb is missing for one or more records           CS_OFFL SRL FM 18 20201187002580_20201187002580_E001         Loss of exbo         The tacking exb is missing for one or more records           CS_OFFL SRL FM 18 20201187002560_2020118700277_E001         Loss of exbo         The tacking exb is missing for one or more records           CS_OFFL SRL FM 18 2020118700270_2020118700277_E001         Loss of exbo         The tacking exb is missing for one or more records           CS_OFFL SRL FM 18 2020118700271_2020118700274_E001         Loss of exbo         The tacking exb is missing for one or more records           CS_OFFL SRL FM 18 2020118700276_2020118700274_E001         Loss of exbo         The tacking exb is missing for one or more records           CS_OFFL SRL FM 18 2020118700278_2020118700274_E001         Loss of exbo         The tacking exb is missing for one or more records           CS_OFFL SRL FM 18 2020118700284_2020118700274_E001         Loss of exbo         The tacking exb is missing for one or more records           CS_OFFL SRL FM 18 2020118700284_2020118700284_2020118701282         Loss of exbo         The tacking exb is missing for one or more records           CS_OFFL SRL FM 18 2020118701482_202011870142_202011870142         Loss of exbo         The tacking exb is missing for one or more records           CS_OFFL SRL FM 18 2020118701438_2020118701438_E001         Loss of exbo         The tacking exb is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220117T235450_20220118T001026_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SRL LRM 18_22221181702550_2222118170258       Loss of exho       The tracking exh is missing for one or more records         CS OFFL SRL LRM 18_222211870270_2222118702275_E001       Loss of exho       The tracking exh is missing for one or more records         CS OFFL SRL LRM 18_2222118702776_2222118702274_E001       Loss of exho       The tracking exh is missing for one or more records         CS OFFL SRL LRM 18_2222118702777_2222118702274_E001       Loss of exho       The tracking exh is missing for one or more records         CS_OFFL SRL LRM 18_2222118702765_222211870274_E001       Loss of exho       The tracking exh is missing for one or more records         CS_OFFL SRL LRM 18_2222118702765_222211870274_E001       Loss of exho       The tracking exh is missing for one or more records         CS_OFFL SRL LRM 18_2222118702765_222211870274_E001       Loss of exho       The tracking exh is missing for one or more records         CS_OFFL SRL LRM 18_222211870276_222211870274_E001       Loss of exho       The tracking exh is missing for one or more records         CS_OFFL SRL LRM 18_222211870173_2222118701342_E001       Loss of exho       The tracking exh is missing for one or more records         CS_OFFL SRL LRM 18_2222011870173_2222118701345_E001       Loss of exho       The tracking exh is missing for one or more records         CS_OFFL SRL LRM 18_22220118701713_2222118701345_E001       Loss of exho       The tracking exh is missing for one or more records         CS_OFFL SRL LRM 18_22220118701445_	CS_OFFL_SIR_LRM_1B_20220118T001227_20220118T002150_E001	Loss of echo	The tracking echo is missing for one or more records
CE_OFFL_SIR_LEM_18_2022118T002840_2022118T002765_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118T002763_2022118T002775_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118T002774_20220118T002774_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118T002743_20220118T002745_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118T002743_20220118T002745_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118T002743_20220118T002745_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118T002745_20220118T002745_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118T010743_20220118T010744_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118T010713_20220118T010134_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118T01135_20220118T011345_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118T01146_20220118T011345_E001       Loss of echo       The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220118T002457_20220118T002546_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LEM_18_20220118700273_202201187002775_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_202201187002775_2020118700274_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118700274_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118700274_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118700275_20220118700275_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118700276_20220118700276_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118700473_20220118701010_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118701435_20220118701134_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118701435_20220118701435_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118701435_20220118701435_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_20220118701435_20220118701435_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LEM_18_2	CS_OFFL_SIR_LRM_1B_20220118T002550_20220118T002638_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LMM_18_20220118700270_20220118700273_E001         Loss of echo         The tracking echo is missing for one or more records           CS_OFFL_SIR_LMM_18_202201187002716_2001         Loss of echo         The tracking echo is missing for one or more records           CS_OFFL_SIR_LMM_18_20220118700274_20220118700274_E001         Loss of echo         The tracking echo is missing for one or more records           CS_OFFL_SIR_LMM_18_202201187002746_2020118700274_E001         Loss of echo         The tracking echo is missing for one or more records           CS_OFFL_SIR_LMM_18_20220118700284_20220118700284_E001         Loss of echo         The tracking echo is missing for one or more records           CS_OFFL_SIR_LMM_18_20220118700284_2020118700284_E001         Loss of echo         The tracking echo is missing for one or more records           CS_OFFL_SIR_LMM_18_20220118701138_2020118701144_E001         Loss of echo         The tracking echo is missing for one or more records           CS_OFFL_SIR_LMM_18_20220118701138_2020118701144_E001         Loss of echo         The tracking echo is missing for one or more records           CS_OFFL_SIR_LMM_18_20220118701138_2020118701143_E001         Loss of echo         The tracking echo is missing for one or more records           CS_OFFL_SIR_LMM_18_202201187011470_2020118701143_E001         Loss of echo         The tracking echo is missing for one or more records           CS_OFFL_SIR_LMM_18_202201187011470_202020118701143_E001         Loss of echo         The tracking echo is missing for one o	CS_OFFL_SIR_LRM_1B_20220118T002640_20220118T002659_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFF_SIR_LRM_18_20220118700274_202201187002754_E001       Los of echo       The tracking echo is missing for one or more records         CS_OFF_SIR_LRM_18_20201187002756_20220118700231_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFF_SIR_LRM_18_2020118700255_20220118700231_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFF_SIR_LRM_18_2020118700433_20220118701134_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFF_SIR_LRM_18_20220118701135_20220118701134_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFF_SIR_LRM_18_20220118701135_20220118701134_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFF_SIR_LRM_18_20220118701135_202201187011434_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFF_SIR_LRM_18_202201187011435_202201187011435_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFF_SIR_LRM_18_20220118701143_20201187011435_202201187011435_20201187014350_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFF_SIR_LRM_18_20220118701474_202201187014545_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFF_SIR_LRM_18_202201187015452_202201187015455_E001       Loss of echo       The tracking echo is missing for one or more records </td <td>CS_OFFL_SIR_LRM_1B_20220118T002717_20220118T002734_E001</td> <td>Loss of echo</td> <td>The tracking echo is missing for one or more records</td>	CS_OFFL_SIR_LRM_1B_20220118T002717_20220118T002734_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_2020118T00279_2020118T00280_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020118T00281_2020118T00174_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020118T01713_20220118T01074_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T011351_20220118T011348_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T011356_20220118T011348_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T011356_20220118T011403_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T01140_20220118T011435_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T011416_20220118T011838_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T011416_20220118T011838_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T011416_20220118T011832_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T015748_20220118T013209_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T016242_20220118T0120240_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T020452_20220118T020452_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2022011	CS_OFFL_SIR_LRM_1B_20220118T002743_20220118T002754_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T002804_20220118T01010_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T0101713_20220118T011010_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T011315_20220118T01134E_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T011315_20220118T011345_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T011435_2020118T011435_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T011416_20220118T011435_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T011416_20220118T011435_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T011471_20220118T011428_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T01474_20220118T01458_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T01548_20200118T0548_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T020424_20220118T02042_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T020424_20220118T020424_E0201Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T020434_20220118T020434_20220118T020434_E0201Loss of echoThe tracking echo is missing for one or more recordsCS_O	CS_OFFL_SIR_LRM_1B_20220118T002756_20220118T002756_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SIR_LAM_1B_20220118T010713_20220118T010714_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LAM_B_20220118T01135_20220118T011744_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LAM_B_20220118T01135_20220118T011345_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LAM_B_20220118T01135_20220118T011435_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LAM_B_20220118T011452_2020118T011435_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LAM_B_20220118T01142_2020118T011435_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LAM_B_20220118T011420_2020118T011320_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LAM_B_20220118T011420_2020118T015420_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LAM_B_20220118T015422_20220118T015426_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LAM_B_20220118T020442_20220118T02044_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LAM_B_20220118T020442_2020118T02044_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LAM_B_20220118T020442_2020118T02044_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LAM_B_20220118T020442_2020118T02045_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LAM_B_20220118T02045_E001Loss of ec	CS_OFFL_SIR_LRM_1B_20220118T002759_20220118T002801_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20220118T022730_20220118T030011_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T030512_20220118T031101_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T031337_20220118T033911_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T034251_20220118T034735_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T034923_20220118T034925_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T040435_20220118T040751_E001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220118T020759_20220118T020835_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T030512_20220118T031101_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T031337_20220118T033911_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T034251_20220118T034735_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T034923_20220118T034925_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T040435_20220118T040751_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T040435_20220118T040751_E001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220118T020839_20220118T021149_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T031337_20220118T033911_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LRM_1B_20220118T034251_20220118T034735_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LRM_1B_20220118T034923_20220118T034925_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LRM_1B_20220118T034923_20220118T034925_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LRM_1B_20220118T040435_20220118T040751_E001       Loss of echo       The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220118T022730_20220118T030011_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T034251_20220118T034735_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T034923_20220118T034925_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220118T040435_20220118T040751_E001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220118T030512_20220118T031101_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T034923_20220118T034925_E001       Loss of echo       The tracking echo is missing for one or more records         CS_OFFL_SIR_LRM_1B_20220118T040435_20220118T040751_E001       Loss of echo       The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220118T031337_20220118T033911_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T040435_20220118T040751_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220118T034251_20220118T034735_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20220118T034923_20220118T034925_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20220118T041031 20220118T043816 E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220118T040435_20220118T040751_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20220118T041031_20220118T043816_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T045235_20220118T052028_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220118T045235_20220118T052028_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T052032_20220118T052057_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220118T052032_20220118T052057_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T052101_20220118T052136_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220118T052101_20220118T052136_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T052142_20220118T052146_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220118T052142_20220118T052146_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T052148_20220118T052149_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220118T052148_20220118T052149_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T052152_20220118T052208_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220118T052152_20220118T052208_E001	Loss of echo	The tracking echo is missing for one or more records

CS\_OFFL\_SIR\_LRM\_1B\_20220118T052506\_20220118T052734\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T064122\_20220118T064643\_E001 CS OFFL SIR LRM 1B 20220118T064832 20220118T065505 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T070044\_20220118T070102\_E001 CS OFFL SIR LRM 1B 20220118T070105 20220118T070127 E001 CS OFFL SIR LRM 1B 20220118T070146 20220118T070200 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T070202\_20220118T070207\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T070209\_20220118T070219\_E001 CS OFFL SIR LRM 1B 20220118T070222 20220118T070314 E001 CS OFFL SIR LRM 1B 20220118T070314 20220118T070414 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T070841\_20220118T071006\_E001 CS OFFL SIR LRM 1B 20220118T083321 20220118T083825 E001 CS OFFL SIR LRM 1B 20220118T083902 20220118T084030 E001 CS OFFL SIR LRM 1B 20220118T094042 20220118T094311 E001 CS OFFL SIR LRM 1B 20220118T095110 20220118T101817 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T103817\_20220118T103912\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T103914\_20220118T103921\_E001 CS OFFL SIR LRM 1B 20220118T103925 20220118T104006 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T104009\_20220118T104016\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T105728\_20220118T105909\_E001 CS OFFL SIR LRM 1B 20220118T105911 20220118T105911 E001 CS OFFL SIR LRM 1B 20220118T105914 20220118T105919 E001 CS OFFL SIR LRM 1B 20220118T105921 20220118T111019 E001 CS OFFL SIR LRM 1B 20220118T113315 20220118T114547 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T121739\_20220118T121749\_E001 CS OFFL SIR LRM 1B 20220118T121751 20220118T121854 E001 CS OFFL SIR LRM 1B 20220118T121859 20220118T121900 E001 CS OFFL SIR LRM 1B 20220118T121906 20220118T121910 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T121914\_20220118T122027\_E001 CS OFFL SIR LRM 1B 20220118T122030 20220118T122105 E001 CS OFFL SIR LRM 1B 20220118T122107 20220118T122117 E001 CS OFFL SIB LBM 1B 20220118T122119 20220118T122303 E001 CS OFFL SIR LRM 1B 20220118T122305 20220118T122310 E001 CS OFFL SIR LRM 1B 20220118T122312 20220118T122331 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T122720\_20220118T123651\_E001 CS OFFL SIR LRM 1B 20220118T123928 20220118T125404 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T131412\_20220118T131728\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T132716\_20220118T132920\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T132923\_20220118T132924\_E001 CS OFFL SIR LRM 1B 20220118T132928 20220118T133139 E001 CS OFFL SIR LRM 1B 20220118T133531 20220118T133651 E001 CS OFFL SIR LRM 1B 20220118T133708 20220118T134013 E001 CS OFFL SIR LRM 1B 20220118T135621 20220118T140023 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T140025\_20220118T140026\_E001 CS OFFL SIR LRM 1B 20220118T140028 20220118T140140 E001 CS OFFL SIR LRM 1B 20220118T140143 20220118T140157 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T140200\_20220118T140207\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T140210\_20220118T140319\_E001 CS OFFL SIR LRM 1B 20220118T140321 20220118T140534 E001 CS OFFL SIR LRM 1B 20220118T140842 20220118T140953 E001 CS OFFL SIR LRM 1B 20220118T143612 20220118T144040 E001 CS OFFL SIR LRM 1B 20220118T144102 20220118T144238 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T144655\_20220118T151101\_E001 CS OFFL SIR LRM 1B 20220118T151106 20220118T152134 E001 CS OFFL SIR LRM 1B 20220118T153850 20220118T154208 E001 CS OFFL SIR LRM 1B 20220118T154658 20220118T161254 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T162002\_20220118T162326\_E001 CS OFFL SIR LRM 1B 20220118T171624 20220118T172126 E001 CS OFFL SIR LRM 1B 20220118T172217 20220118T172430 E001 CS OFFL SIR LRM 1B 20220118T172432 20220118T172539 E001 CS OFFL SIR LRM 1B 20220118T172541 20220118T175234 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T175900\_20220118T180233\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T180621\_20220118T184010\_E001 CS OFFL SIR LRM 1B 20220118T185311 20220118T185508 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T185749\_20220118T190110\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T190112\_20220118T190124\_E001 CS OFFL SIR LRM 1B 20220118T190148 20220118T190219 E001 CS OFFL SIR LRM 1B 20220118T190805 20220118T191254 E001 CS OFFL SIR LRM 1B 20220118T191256 20220118T191300 E001 CS OFFL SIR LRM 1B 20220118T191318 20220118T191805 E001 CS OFFL SIR LRM 1B 20220118T191911 20220118T192135 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T192140\_20220118T192200\_E001 CS OFFL SIR LRM 1B 20220118T203913 20220118T203923 E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T203934\_20220118T204050\_E001 CS\_OFFL\_SIR\_LRM\_1B\_20220118T204119\_20220118T204137\_E001 Loss of echo oss of echo Loss of echo oss of echo Loss of echo

The tracking echo is missing for one or more records The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20220118T204307_20220118T204810_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T205140_20220118T205626_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T211448_20220118T211824_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T212447_20220118T213024_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T213034_20220118T215621_E001 CS_OFFL_SIR_LRM_1B_20220118T215956_20220118T220000_E001	Loss of echo Loss of echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T220005_20220118T220005_2001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T220018_20220118T220026_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T220029_20220118T220031_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T220034_20220118T220037_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T220039_20220118T220049_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T220055_20220118T220106_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T220111_20220118T220150_E001 CS_OFFL_SIR_LRM_1B_20220118T221444_20220118T224603_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_20220118T231118_20220118T231703_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T231943_20220118T232054_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T232057_20220118T232154_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T232634_20220118T233313_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T233655_20220118T233706_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T233709_20220118T233736_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T233738_20220118T233755_E001 CS_OFFL_SIR_LRM_1B_20220118T233757_20220118T233807_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_20220118T23373_20220118T233950_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T233953_20220118T234102_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220118T234110_20220118T234114_E001	Loss of echo	The tracking echo is missing for one or more records
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4.5 L1B Calibration Usage Check		
Each product is checked in order to ensure that the necessary calibration files have	ve been used in processing.	
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_SIN_1B_20220118T220316_20220118T220323_E001	Cal1 corr. missing	The Cal1 correction has not been applied for one or more records
4.6 L1B Auxilary Data File Usage Check		
, , , , , , , , , , , , , , , , , , ,		
Each product is checked for missing Data Set Descriptors with respect to a pre-d	etermined baseline and also to check the va	alidity of Auxiliary Data Files is correct.
	etermined baseline and also to check the va	alidity of Auxiliary Data Files is correct.
Each product is checked for missing Data Set Descriptors with respect to a pre-de Number of products with errors: 0	stermined baseline and also to check the va	alidity of Auxiliary Data Files is correct.
Each product is checked for missing Data Set Descriptors with respect to a pre-d	etermined baseline and also to check the va	alidity of Auxiliary Data Files is correct.
Each product is checked for missing Data Set Descriptors with respect to a pre-de Number of products with errors: 0		
Each product is checked for missing Data Set Descriptors with respect to a pre-d Number of products with errors: 0 4.7 L1B Auxiliary Correction Error Check		
Each product is checked for missing Data Set Descriptors with respect to a pre-dender of products with errors:       0         A.7 L1B Auxiliary Correction Error Check       0         CryoSat L1B data includes a correction error flag (field 54) for each measurement       0         Number of products with errors:       0		
Each product is checked for missing Data Set Descriptors with respect to a pre-denergy of products with errors:       0         4.7 L1B Auxiliary Correction Error Check       0         CryoSat L1B data includes a correction error flag (field 54) for each measurement Number of products with errors:       0         4.8 L1B Measurement Confidence Data Check	record. The bit value of this flag indicates a	any problems when set.
Each product is checked for missing Data Set Descriptors with respect to a pre-dender of products with errors:       0 <b>4.7 L1B Auxiliary Correction Error Check</b> CryoSat L1B data includes a correction error flag (field 54) for each measurement         Number of products with errors:       0 <b>4.8 L1B Measurement Confidence Data Check</b> CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement	record. The bit value of this flag indicates a assume the state of this flag indicates assume the state of the state	any problems when set.
Each product is checked for missing Data Set Descriptors with respect to a pre-denergy of products with errors:       0         4.7 L1B Auxiliary Correction Error Check       0         CryoSat L1B data includes a correction error flag (field 54) for each measurement Number of products with errors:       0         4.8 L1B Measurement Confidence Data Check	record. The bit value of this flag indicates a assume the state of this flag indicates assume the state of the state	any problems when set.
Each product is checked for missing Data Set Descriptors with respect to a pre-denomber of products with errors:          0         4.7 L1B Auxiliary Correction Error Check         CryoSat L1B data includes a correction error flag (field 54) for each measurement         Number of products with errors:       0         4.8 L1B Measurement Confidence Data Check         CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement         Currently, there are several common error flags raised in the Level 1B product	record. The bit value of this flag indicates a surement record. The bit value of this flag i ucts which are expected due to operation	any problems when set. indicates any problems when set. nal mode or surface type. All common flags are summarised in the list
Each product is checked for missing Data Set Descriptors with respect to a pre-denomination of products with errors:          0         4.7 L1B Auxiliary Correction Error Check         CryoSat L1B data includes a correction error flag (field 54) for each measurement         Number of products with errors:       0         4.8 L1B Measurement Confidence Data Check         CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement         Currently, there are several common error flags raised in the Level 1B prode below, followed by a table of any additional issues arising from this test.	record. The bit value of this flag indicates a asurement record. The bit value of this flag i ucts which are expected due to operation generally at the start or end of products (a	any problems when set. indicates any problems when set. nal mode or surface type. All common flags are summarised in the list Il modes), but this is to be expected.
Each product is checked for missing Data Set Descriptors with respect to a pre-denomination of products with errors: 0  4.7 L1B Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag (field 54) for each measurement Number of products with errors: 0  4.8 L1B Measurement Confidence Data Check CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement Currently, there are several common error flags raised in the Level 1B prodibelow, 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	record. The bit value of this flag indicates a asurement record. The bit value of this flag i ucts which are expected due to operation generally at the start or end of products (a	any problems when set. indicates any problems when set. nal mode or surface type. All common flags are summarised in the list Il modes), but this is to be expected.
Each product is checked for missing Data Set Descriptors with respect to a pre-denergy of products with errors:       0         A.7 L1B Auxiliary Correction Error Check       0         CryoSat L1B data includes a correction error flag (field 54) for each measurement Number of products with errors:       0         A.8 L1B Measurement Confidence Data Check       0         CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement Number of products with errors:       0         B.8 L1B Measurement Confidence Data Check       0         CryoSat L1B data includes a measurement confidence flag (field 18) for each measuremen	record. The bit value of this flag indicates a asurement record. The bit value of this flag i <b>ucts which are expected due to operation</b> generally at the start or end of products (a dicating that the ADC correction application	any problems when set. indicates any problems when set. nal mode or surface type. All common flags are summarised in the list Il modes), but this is to be expected. n is deactivated, but this is in line with the current configuration.
Each product is checked for missing Data Set Descriptors with respect to a pre-denergy of products with errors:       0 <b>4.7 L1B Auxiliary Correction Error Check</b> CryoSat L1B data includes a correction error flag (field 54) for each measurement         Number of products with errors:       0 <b>4.8 L1B Measurement Confidence Data Check</b> CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement         Currently, there are several common error flags raised in the Level 1B prodibelow, 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         Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, in         Number of products with errors:       1         Product	record. The bit value of this flag indicates a asurement record. The bit value of this flag indicates a <b>ucts which are expected due to operation</b> generally at the start or end of products (a dicating that the ADC correction application Test Failed	any problems when set. indicates any problems when set. nal mode or surface type. All common flags are summarised in the list Il modes), but this is to be expected. In is deactivated, but this is in line with the current configuration. Description
Each product is checked for missing Data Set Descriptors with respect to a pre-denergy of products with errors:       0         A.7 L1B Auxiliary Correction Error Check       0         CryoSat L1B data includes a correction error flag (field 54) for each measurement Number of products with errors:       0         A.8 L1B Measurement Confidence Data Check       0         CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement Number of products with errors:       0         B.8 L1B Measurement Confidence Data Check       0         CryoSat L1B data includes a measurement confidence flag (field 18) for each measuremen	record. The bit value of this flag indicates a asurement record. The bit value of this flag i <b>ucts which are expected due to operation</b> generally at the start or end of products (a dicating that the ADC correction application	any problems when set. indicates any problems when set. nal mode or surface type. All common flags are summarised in the list Il modes), but this is to be expected. n is deactivated, but this is in line with the current configuration.
Each product is checked for missing Data Set Descriptors with respect to a pre-denergy of products with errors:       0         4.7 L1B Auxiliary Correction Error Check       0         CryoSat L1B data includes a correction error flag (field 54) for each measurement Number of products with errors:       0         4.8 L1B Measurement Confidence Data Check       0         CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement Currently, there are several common error flags raised in the Level 1B produbelow, 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         Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, in Number of products with errors:       1         Product       1         Product       1	record. The bit value of this flag indicates a asurement record. The bit value of this flag indicates a <b>ucts which are expected due to operation</b> generally at the start or end of products (a dicating that the ADC correction application Test Failed	any problems when set. indicates any problems when set. nal mode or surface type. All common flags are summarised in the list Il modes), but this is to be expected. In is deactivated, but this is in line with the current configuration. Description The Cal1 Correction has not been applied
Each product is checked for missing Data Set Descriptors with respect to a pre-denomination of products with errors: 0  4.7 L1B Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag (field 54) for each measurement Number of products with errors: 0  4.8 L1B Measurement Confidence Data Check CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement Currently, there are several common error flags raised in the Level 1B prod 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 Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, in Number of products with errors: 1  Product CS_OFFL_SIR_SIN_1B_20220118T220316_20220118T220323_E001  5. L	record. The bit value of this flag indicates a asurement record. The bit value of this flag i ucts which are expected due to operation generally at the start or end of products (a dicating that the ADC correction application Test Failed Cal1 Correction missing	any problems when set. indicates any problems when set. nal mode or surface type. All common flags are summarised in the list Il modes), but this is to be expected. In is deactivated, but this is in line with the current configuration. Description The Cal1 Correction has not been applied
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Each product is checked for missing Data Set Descriptors with respect to a pre-denergy of products with errors:       0         4.7 L1B Auxiliary Correction Error Check       CryoSat L1B data includes a correction error flag (field 54) for each measurement Number of products with errors:       0         4.8 L1B Measurement Confidence Data Check       0         CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement Number of products with errors:       0         4.8 L1B Measurement Confidence Data Check       0         CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement confidence flag (field 18) for each measurement confidence flag (field 18) for each measurement performed 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 Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, in Number of products with errors:         1       Product         Cs_OFFL_SIR_SIN_1B_20220118T220316_20220118T220323_E001         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors:         0         5.2 L2 Product Header Analysis	record. The bit value of this flag indicates a asurement record. The bit value of this flag i ucts which are expected due to operation generally at the start or end of products (a dicating that the ADC correction application Test Failed Cal1 Correction missing evel 2 Data Quality Checc ure it consists of both an XML header file (.1	any problems when set. indicates any problems when set. indicates any problems when set. inal mode or surface type. All common flags are summarised in the list II modes), but this is to be expected. II modes), but this is in line with the current configuration.  Description The Cal1 Correction has not been applied k HDR) and a NetCDF product file (.nc).
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Each product is checked for missing Data Set Descriptors with respect to a pre-denergy of products with errors:       0         4.7 L1B Auxiliary Correction Error Check       CryoSat L1B data includes a correction error flag (field 54) for each measurement Number of products with errors:       0         4.8 L1B Measurement Confidence Data Check       0         CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement Number of products with errors:       0         4.8 L1B Measurement Confidence Data Check       0         CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement confidence flag (field 18) for each measurement confidence flag (field 18) for each measurement performed 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 Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, in Number of products with errors:         1       Product         Cs_OFFL_SIR_SIN_1B_20220118T220316_20220118T220323_E001         5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors:         0         5.2 L2 Product Header Analysis	record. The bit value of this flag indicates a asurement record. The bit value of this flag i ucts which are expected due to operation generally at the start or end of products (a dicating that the ADC correction application Test Failed Cal1 Correction missing evel 2 Data Quality Checc ure it consists of both an XML header file (.1	any problems when set. indicates any problems when set. indicates any problems when set. inal mode or surface type. All common flags are summarised in the list II modes), but this is to be expected. II modes), but this is in line with the current configuration.  Description The Cal1 Correction has not been applied k HDR) and a NetCDF product file (.nc).
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Each product is checked for missing Data Set Descriptors with respect to a pre-d Number of products with errors: 0 4.7 L1B Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag (field 54) for each measurement Number of products with errors: 0 4.8 L1B Measurement Confidence Data Check CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement Currently, there are several common error flags raised in the Level 1B prod 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 Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, in Number of products with errors: 1 Product CS_OFFL_SIR_SIN_1B_20220118T220316_20220118T220323_E001 5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0 5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are carried out on the MPH and S Number of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check	record. The bit value of this flag indicates a isurement record. The bit value of this flag i <b>icts which are expected due to operation</b> is generally at the start or end of products (a dicating that the ADC correction application Test Failed Cal1 Correction missing evel 2 Data Quality Checc ure it consists of both an XML header file (.1 PH in order to identify any inconsistencies a	any problems when set. indicates
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CryoSat L2 data includes a correction error flag (field 30) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

0

#### 5.5 L2 Measurement Quality Flag Check

CryoSat L2 data includes a quality flag (field 50) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.

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

Freeboard error: This flag is correctly set in all L2 SAR products that are not discriminated as sea-ice, and for which freeboard cannot be calculated.

Height and Backscatter errors: These flags are currently set for products over land, but this is to be expected. Retracker 1 Height and Backscatter error flags are also set for products over sea-ice, but this is to be expected.

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

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SARIN X-Track Angle Error: This flag is set when the difference between the computed surface elevation and the DEM is >50 m. The DEM is only available over Greenland and Antarctica and as a result this flag is set for L2 SARIn products in all other locations as expected.

SSHA interpolation error: This flag is currently set for a number of SAR products occurring at surface type boundaries, but this is to be expected.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220220117T235450_20220118T001026_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_220220118T001227_20220118T002150_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_220220118T004933_20220118T010110_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20220118T010713_20220118T010744_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220118T011711_20220118T011833_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_220220118T013428_20220118T014931_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_220220118T022730_20220118T030011_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_220220118T031337_20220118T033911_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_220220118T041031_20220118T043816_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_220220118T045235_20220118T052028_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_220220118T054453_20220118T061735_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_220220118T070841_20220118T071006_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_220220118T072330_20220118T075734_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_220220118T081021_20220118T083008_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_220220118T083902_20220118T084030_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_220220118T084152_20220118T084155_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_220220118T090137_20220118T092423_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_220220118T092438_20220118T093532_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_220220118T095110_20220118T101817_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_220220118T104227_20220118T105247_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_220220118T105728_20220118T105909_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_220220118T105921_20220118T111019_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_220220118T113315_20220118T114547_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_220220118T114801_20220118T120036_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_220220118T122720_20220118T123651_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_220220118T123928_20220118T125404_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_220220118T132928_20220118T133139_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_220220118T133531_20220118T133651_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 OFFI SIR I BM 2 202201107122700 202201107124040 5001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220220118T133708_20220118T134013_E001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220220118T140143_20220118T140157_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220118T140200_20220118T140207_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220118T141632_20220118T143318_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_220220118T144655_20220118T151101_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_220220118T154658_20220118T161254_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_220220118T162558_20220118T165400_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_220220118T165526_20220118T165836_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_220220118T172541_20220118T175234_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_220220118T180621_20220118T184010_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_220220118T185311_20220118T185508_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_220220118T190500_20220118T190621_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_220220118T194506_20220118T200733_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_220220118T201019_20220118T201946_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_220220118T204307_20220118T204810_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_220220118T205140_20220118T205626_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_220220118T205814_20220118T210957_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_220220118T212447_20220118T213024_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_220220118T213034_20220118T215621_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_220220118T221444_20220118T224603_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_220220118T231118_20220118T231703_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_220220118T231943_20220118T232054_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_220220118T232057_20220118T232154_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_220220118T232634_20220118T233313_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_220220118T233953_20220118T234102_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_SAR_220220118T001026_20220118T001227_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T003212_20220118T003459_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T003459_20220118T003847_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T004327_20220118T004450_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T004552_20220118T004731_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T004744_20220118T004932_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T012042_20220118T012045_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T013357_20220118T013428_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T014932_20220118T015747_E001	Backscatter Error (Retracker 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_20220118T021149_20220118T021807_E001	Backscatter Error (Retracker 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_20220118T022033_20220118T022038_E001	Backscatter Error (Retracker 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_20220118T022251_20220118T022323_E001	Backscatter Error (Retracker 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_20220118T022352_20220118T022606_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T030011_20220118T030053_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T031323_20220118T031337_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T034926_20220118T035145_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T035202_20220118T035300_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T035333_20220118T035805_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T043817_20220118T044027_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T045208_20220118T045234_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T052735_20220118T052954_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T053036_20220118T054012_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T061736_20220118T062028_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T063059_20220118T063122_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T063728_20220118T064121_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T065810_20220118T065902_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T065926_20220118T065939_E001	Backscatter Error (Retracker 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_20220118T070415_20220118T070745_E001	Backscatter Error (Retracker 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_20220118T071007_20220118T071057_E001	Backscatter Error (Retracker 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_20220118T071127_20220118T071914_E001	Backscatter Error (Retracker 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_20220118T075734_20220118T075952_E001	Backscatter Error (Retracker 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_20220118T080949_20220118T081021_E001	Backscatter Error (Retracker 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_20220118T083826_20220118T083902_E001	Backscatter Error (Retracker 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_20220118T084030_20220118T084152_E001	Backscatter Error (Retracker 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_20220118T084156_20220118T084330_E001	Backscatter Error (Retracker 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_20220118T084331_20220118T085039_E001	Backscatter Error (Retracker 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_20220118T085147_20220118T090136_E001	Backscatter Error (Retracker 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_20220118T092424_20220118T092437_E001	Backscatter Error (Retracker 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_20220118T093533_20220118T093705_E001	Backscatter Error (Retracker 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_20220118T094837_20220118T094921_E001	Backscatter Error (Retracker 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_20220118T095002_20220118T095110_E001	Backscatter Error (Retracker 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_20220118T101817_20220118T101832_E001	Backscatter Error (Retracker 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_20220118T102551_20220118T102612_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220220118T102612_20220118T102627_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T103104_20220118T103817_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T104045_20220118T104227_E001	Backscatter Error (Retracker 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_20220118T105247_20220118T105728_E001	Backscatter Error (Retracker 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_20220118T111020_20220118T111115_E001	Backscatter Error (Retracker 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_20220118T111510_20220118T111512_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T112621_20220118T113135_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T113135_20220118T113314_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T114601_20220118T114801_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T120037_20220118T120212_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T120440_20220118T120726_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T121019_20220118T121739_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T123652_20220118T123728_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T123731_20220118T123927_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T125404_20220118T125432_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T131102_20220118T131124_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T131127_20220118T131412_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T133527_20220118T133531_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T133651_20220118T133708_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T134136_20220118T134352_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T134406_20220118T134445_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T134904_20220118T135559_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T141101_20220118T141632_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T143319_20220118T143339_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T144549_20220118T144655_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T152727_20220118T153602_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T161255_20220118T161319_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T162444_20220118T162558_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T165401_20220118T165526_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T170420_20220118T171200_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T171215_20220118T171326_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T171412_20220118T171448_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T171505_20220118T171623_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T175235_20220118T175257_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220220118T180349_20220118T180621_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T184354_20220118T185015_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T185016_20220118T185310_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T185711_20220118T185748_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T190424_20220118T190500_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T192200_20220118T192403_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T193204_20220118T193237_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T194232_20220118T194505_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T200734_20220118T201019_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T201946_20220118T202915_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T202915_20220118T203052_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T203123_20220118T203152_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T203246_20220118T203252_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T203553_20220118T203913_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T204137_20220118T204306_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T205626_20220118T205813_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T210957_20220118T211036_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T211135_20220118T211221_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T212158_20220118T212446_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T215622_20220118T215736_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T215745_20220118T215956_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T220151_20220118T220316_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T220324_20220118T220814_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T220814_20220118T220937_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T221000_20220118T221117_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T221132_20220118T221356_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T224603_20220118T225302_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T230357_20220118T230403_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T231030_20220118T231117_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T231703_20220118T231942_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T232154_20220118T232633_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T233313_20220118T233331_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T234135_20220118T234657_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220118T234657_20220118T234809_E001	Backscatter Error (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_220220118T002150_20220118T002456_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_220220118T003847_20220118T003958_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_220220118T004120_20220118T004326_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_220220118T010744_20220118T011314_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_220220118T011529_20220118T011711_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_220220118T011834_20220118T011948_E001	Backscatter Error (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_220220118T012045_20220118T012419_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_220220118T013238_20220118T013356_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_220220118T015849_20220118T020232_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_220220118T021808_20220118T022032_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_220220118T022039_20220118T022250_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_220220118T022324_20220118T022351_E001	Backscatter Error (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_220220118T022606_20220118T022729_E001	Backscatter Error (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_220220118T030054_20220118T030243_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_220220118T030457_20220118T030512_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220118T031102_20220118T031322_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_220220118T033912_20220118T034250_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_220220118T035146_20220118T035201_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_220220118T035300_20220118T035333_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_220220118T035806_20220118T040231_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_220220118T044028_20220118T044207_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_220220118T044323_20220118T044454_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220118T044920_20220118T045208_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_220220118T054012_20220118T054453_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_220220118T062028_20220118T062406_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_220220118T062944_20220118T063058_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_220220118T065909_20220118T065925_E001	Backscatter Error (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_220220118T065940_20220118T070043_E001	Backscatter Error (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_220220118T070745_20220118T070840_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220118T071057_20220118T071127_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_220220118T071914_20220118T072049_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records

CS_OFFL_SIR_SIN_2_20220118T072137_20220118T072327_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for
	track Angle Error, Surface model unavailable Backscatter Error (Retracker 2),	the location for one or more records There is a backscatter error for Retracker 2 and 3 and an ambiguous angle
CS_OFFL_SIR_SIN_2_20220118T075952_20220118T080311_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error Backscatter Error (Retracker 2),	was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220118T080823_20220118T080948_E001	Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220118T083009_20220118T083321_E001	Backscatter Error (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_220220118T085039_20220118T085146_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220118T093706_20220118T094042_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220118T094729_20220118T094836_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_220220118T102628_20220118T102748_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220118T102951_20220118T103104_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_220220118T111513_20220118T111651_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220118T112433_20220118T112621_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_220220118T120726_20220118T121019_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220118T122331_20220118T122719_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_220220118T125432_20220118T125617_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220118T130303_20220118T130911_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_220220118T130941_20220118T130954_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20220118T131124_20220118T131126_E001	Backscatter Error (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_220220118T131729_20220118T132715_E001	SARIn X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_2_20220118T133139_20220118T133301_E001	Backscatter Error (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_220220118T134353_20220118T134405_E001	Backscatter Error (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_220220118T134446_20220118T134903_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_220220118T140535_20220118T140841_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_220220118T143340_20220118T143612_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_220220118T144238_20220118T144549_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_220220118T152338_20220118T152726_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_220220118T154313_20220118T154657_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_220220118T161319_20220118T161434_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_220220118T161943_20220118T161945_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220118T162327_20220118T162443_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_220220118T165836_20220118T170420_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_220220118T171200_20220118T171214_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_220220118T171326_20220118T171411_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_220220118T171449_20220118T171505_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_220220118T175258_20220118T175421_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_220220118T180234_20220118T180348_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_220220118T184011_20220118T184144_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_220220118T184219_20220118T184354_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_220220118T190219_20220118T190423_E001	Backscatter Error (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_220220118T193238_20220118T193403_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_220220118T193924_20220118T194232_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_220220118T203052_20220118T203123_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_220220118T211222_20220118T211447_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_220220118T211825_20220118T212157_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_220220118T220316_20220118T220323_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Calibration Warning	There is a backscatter error for Retracker 2 and 3, and the Calibration correction is missing or has been taken from the IPFDB instead of the Calibration products for one or more records
CS_OFFL_SIR_SIN_220220118T220938_20220118T221000_E001	Backscatter Error (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_220220118T221118_20220118T221131_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20220118T221357_20220118T221444_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_220220118T225303_20220118T225537_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_220220118T225732_20220118T230023_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220118T230206_20220118T230356_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_220220118T233332_20220118T233502_E001	Backscatter Error (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_220220118T234810_20220118T234930_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_220220118T235342_20220118T235458_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