





1. Overview

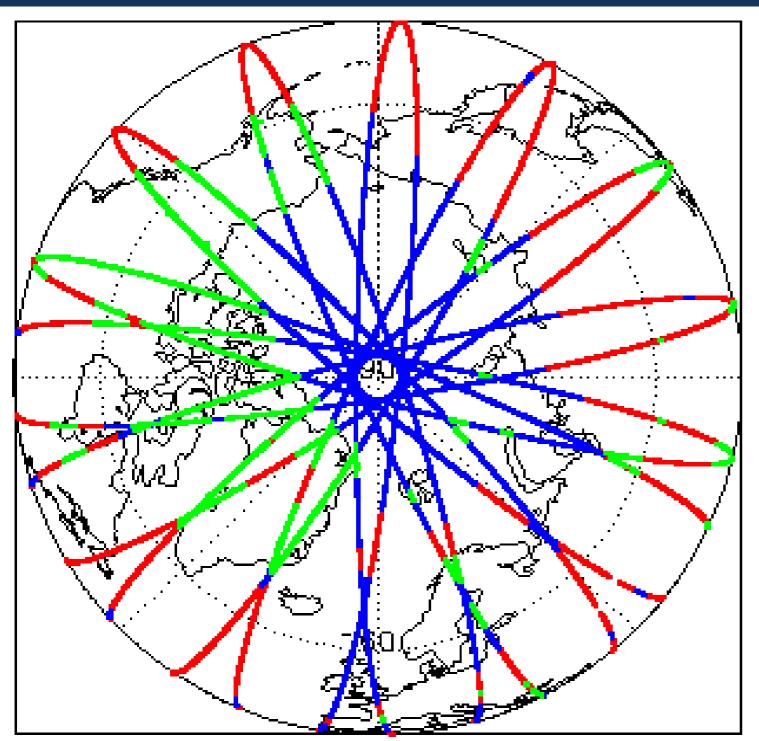
Report Production Date:	22-Jan-2023
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

We would love to hear from you!

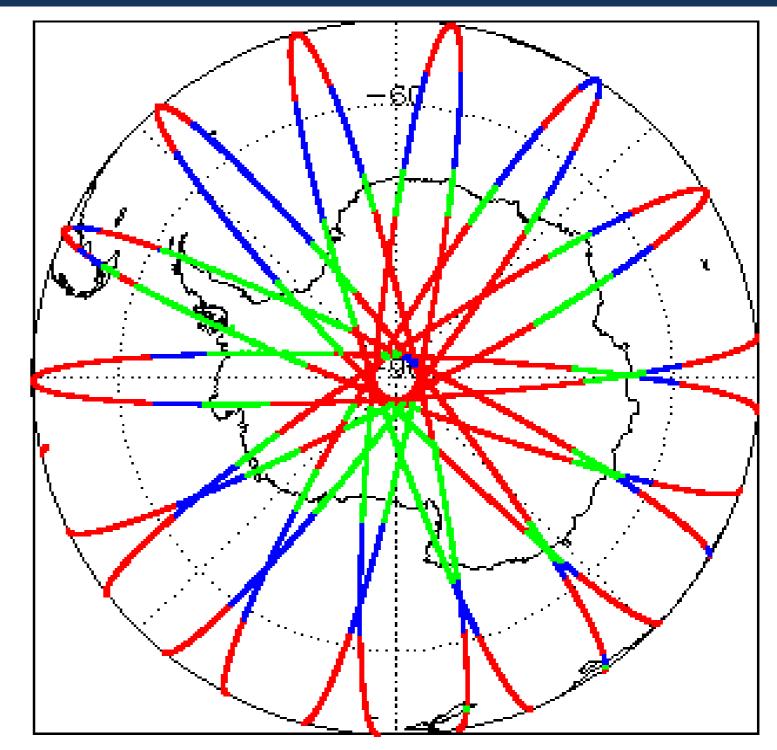
Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com

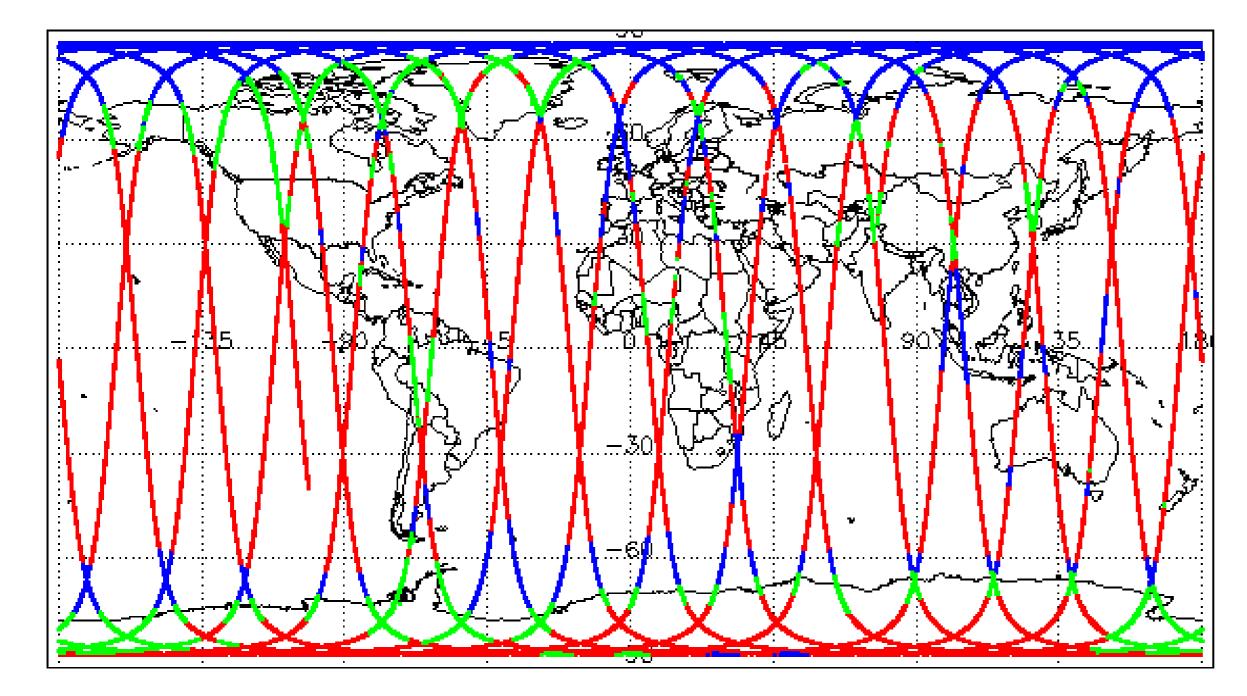
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

Mission / Instru	iment News
27-Nov-2022	None
28-Nov-2022	None
29-Nov-2022	Nothing planned



2. Global Coverage

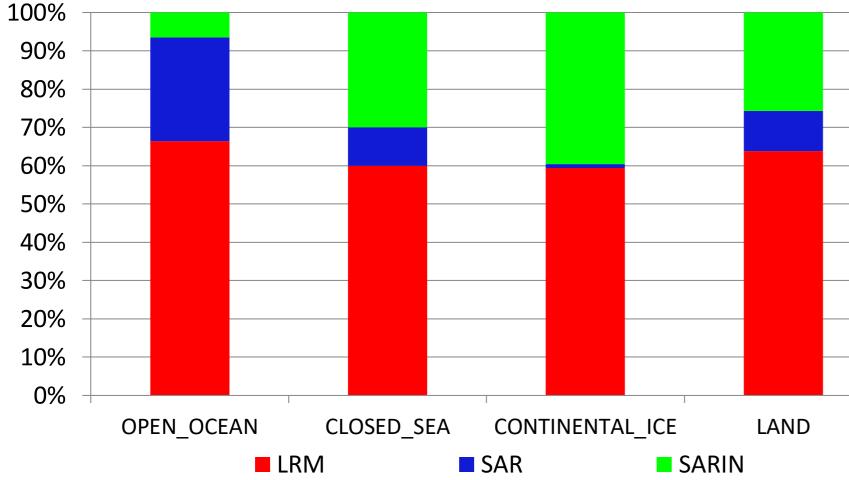


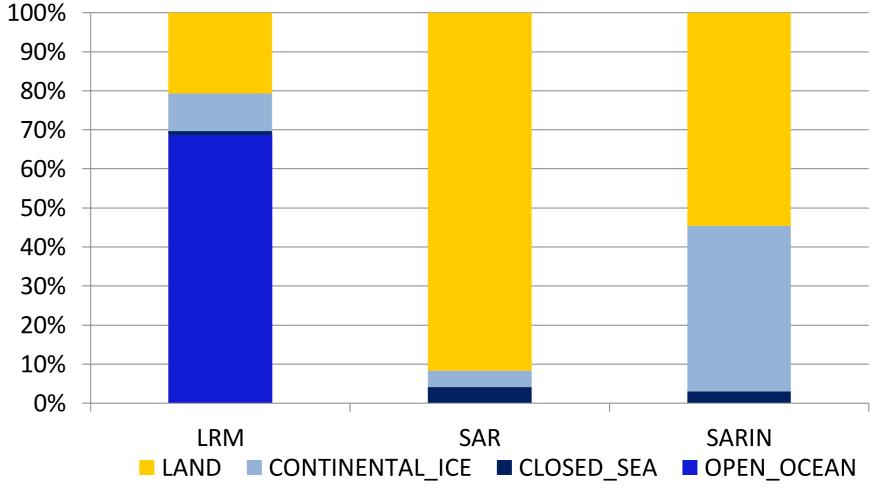




LRM	65.0
SAR	20.6
SARIn	14.3

Surface Type





3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A	
	4	4. Level 1B Data Quality Check
4.1 L1B Product Format Che	ck	
Each product, retrieved and unpacked fror	n the science server, is checked	to ensure it consists of both an XML header file (.HDR) and a product file (.DBL).
Number of products with errors:	0	
4.2 L1B Product Header Ana	lysis	
For all products, a series of pre-defined ch	ecks are carried out on the MPH	I 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 Chec	k	
Each product is checked in order to ensure	e a valid star tracker file has beer	en used in processing.
Number of products with errors:	0	
4.4 L1B Tracking Flags Chec	:k	
CryoSat L1B data includes a tracking flag	for each measurement record. Th	The bit value of this flag indicates any problems when set.
Loss of Echo Flag: This flag is currently s	set for some products over land,	but this is to be expected.
Number of products with errors:	153	

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20221127T235235_20221128T002023_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221128T004320_20221128T004959_E001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20221128T005140_20221128T005159_E001 CS_OFFL_SIR_LRM_1B_20221128T005201_20221128T011601_E001 CS_OFFL_SIR_LRM_1B_20221128T022134_20221128T022449_E001 CS_OFFL_SIR_LRM_1B_20221128T022523_20221128T022723_E001 CS_OFFL_SIR_LRM_1B_20221128T022805_20221128T023838_E001 CS_OFFL_SIR_LRM_1B_20221128T023840_20221128T024108_E001 CS_OFFL_SIR_LRM_1B_20221128T024110_20221128T024111_E001 CS_OFFL_SIR_LRM_1B_20221128T024114_20221128T024559_E001 CS_OFFL_SIR_LRM_1B_20221128T025925_20221128T030510_E001 CS_OFFL_SIR_LRM_1B_20221128T030534_20221128T030712_E001 CS_OFFL_SIR_LRM_1B_20221128T031251_20221128T034450_E001 CS_OFFL_SIR_LRM_1B_20221128T035947_20221128T035959_E001 CS_OFFL_SIR_LRM_1B_20221128T040343_20221128T040512_E001 CS_OFFL_SIR_LRM_1B_20221128T040524_20221128T040631_E001 CS_OFFL_SIR_LRM_1B_20221128T040953_20221128T041106_E001 CS_OFFL_SIR_LRM_1B_20221128T041610_20221128T043318_E001 CS_OFFL_SIR_LRM_1B_20221128T051233_20221128T052455_E001 CS_OFFL_SIR_LRM_1B_20221128T052457_20221128T052501_E001 CS_OFFL_SIR_LRM_1B_20221128T052506_20221128T052509_E001 CS_OFFL_SIR_LRM_1B_20221128T052512_20221128T052613_E001 CS_OFFL_SIR_LRM_1B_20221128T052615_20221128T052626_E001 CS_OFFL_SIR_LRM_1B_20221128T054550_20221128T054706_E001 CS_OFFL_SIR_LRM_1B_20221128T054838_20221128T055322_E001 CS_OFFL_SIR_LRM_1B_20221128T055403_20221128T061316_E001 CS_OFFL_SIR_LRM_1B_20221128T063039_20221128T070416_E001 CS_OFFL_SIR_LRM_1B_20221128T070419_20221128T070424_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_20221128T070440_20221128T070536_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T070539_20221128T070532_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T070539_20221128T070539_20221128T070539_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T073820_20221128T073933_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T073935_20221128T075127_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080019_20221128T080216_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080349_20221128T080719_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080943_20221128T080440_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080943_20221128T080440_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080943_20221128T084031_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080403_2021128T084043_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084043_2021128T084043_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084043_2021128T084043_E001Loss of echoThe tracking echo is missing for one or more recordsCS	CS_OFFL_SIR_LRM_1B_20221128T070427_20221128T	070438_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221128T070539_20221128T070648_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T073832_020221128T073933_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T073935_20221128T075127_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080019_20221128T080216_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080349_20221128T080719_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080943_20221128T082440_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T082642_20221128T083604_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T083935_20221128T083604_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T083935_20221128T083604_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T083935_20221128T084031_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084031_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084031_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084043_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LR	CS_OFFL_SIR_LRM_1B_20221128T070440_20221128T	⁻ 070516_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221128T073820_20221128T073933_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T073935_20221128T075127_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080019_20221128T080216_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080349_20221128T080719_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080943_20221128T080749_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080943_20221128T083604_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T082642_20221128T083604_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T083935_20221128T084031_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084043_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084043_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084043_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084043_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084043_E001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20221128T070519_20221128T	⁻ 070532_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221128T073935_20221128T075127_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080019_20221128T080216_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080349_20221128T080719_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080943_20221128T080749_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080943_20221128T082440_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T082642_20221128T083604_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T083935_20221128T084031_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084043_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084043_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084043_E001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20221128T070539_20221128T	⁻ 070648_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221128T080019_20221128T080216_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080349_20221128T080719_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080943_20221128T082440_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T082642_20221128T083604_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T083935_20221128T084031_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084031_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084031_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084043_E001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20221128T073820_20221128T	⁻ 073933_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221128T080349_20221128T080719_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T080943_20221128T082440_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T082642_20221128T083604_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T083935_20221128T084031_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084031_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084043_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084043_E001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20221128T073935_20221128T	⁻ 075127_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221128T080943_20221128T082440_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T082642_20221128T083604_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T083935_20221128T084031_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084043_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084043_E001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20221128T080019_20221128T	⁻ 080216_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221128T082642_20221128T083604_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T083935_20221128T084031_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084043_E001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20221128T080349_20221128T	⁻ 080719_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221128T083935_20221128T084031_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084043_E001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20221128T080943_20221128T	⁻ 082440_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221128T084034_20221128T084043_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20221128T082642_20221128T	⁻ 083604_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20221128T083935_20221128T	⁻ 084031_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20221128T084045_20221128T084046_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20221128T084034_20221128T	⁻ 084043_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20221128T084045_20221128T	⁻ 084046_E001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20221128T084050_20221128T084056_E001 CS_OFFL_SIR_LRM_1B_20221128T084059_20221128T084103_E001 CS_OFFL_SIR_LRM_1B_20221128T084107_20221128T084132_E001 CS_OFFL_SIR_LRM_1B_20221128T084134_20221128T084139_E001 CS_OFFL_SIR_LRM_1B_20221128T084142_20221128T084153_E001 CS_OFFL_SIR_LRM_1B_20221128T084155_20221128T084201_E001 CS_OFFL_SIR_LRM_1B_20221128T084203_20221128T084234_E001 CS OFFL SIR LRM 1B 20221128T084236 20221128T084624 E001 CS_OFFL_SIR_LRM_1B_20221128T085823_20221128T091522_E001 CS_OFFL_SIR_LRM_1B_20221128T092003_20221128T092100_E001 CS_OFFL_SIR_LRM_1B_20221128T092102_20221128T092115_E001 CS_OFFL_SIR_LRM_1B_20221128T092117_20221128T092305_E001 CS_OFFL_SIR_LRM_1B_20221128T092309_20221128T092843_E001 CS_OFFL_SIR_LRM_1B_20221128T092914_20221128T092940_E001 CS_OFFL_SIR_LRM_1B_20221128T101200_20221128T101310_E001 CS_OFFL_SIR_LRM_1B_20221128T101506_20221128T101550_E001 CS_OFFL_SIR_LRM_1B_20221128T101611_20221128T101615_E001 CS_OFFL_SIR_LRM_1B_20221128T101619_20221128T101631_E001 CS_OFFL_SIR_LRM_1B_20221128T101633_20221128T101834_E001 CS_OFFL_SIR_LRM_1B_20221128T101836_20221128T101904_E001 CS_OFFL_SIR_LRM_1B_20221128T101906_20221128T101913_E001 CS_OFFL_SIR_LRM_1B_20221128T101915_20221128T101939_E001 CS_OFFL_SIR_LRM_1B_20221128T101941_20221128T102049_E001 CS_OFFL_SIR_LRM_1B_20221128T102054_20221128T102156_E001 CS OFFL SIR LRM 1B 20221128T102159 20221128T102213 E001 CS_OFFL_SIR_LRM_1B_20221128T102215_20221128T102217_E001 CS_OFFL_SIR_LRM_1B_20221128T102220_20221128T102220_E001 CS_OFFL_SIR_LRM_1B_20221128T102223_20221128T102242_E001 CS_OFFL_SIR_LRM_1B_20221128T102244_20221128T102329_E001 CS_OFFL_SIR_LRM_1B_20221128T102331_20221128T102344_E001 CS_OFFL_SIR_LRM_1B_20221128T102347_20221128T102614_E001 CS_OFFL_SIR_LRM_1B_20221128T104139_20221128T104729_E001 CS_OFFL_SIR_LRM_1B_20221128T105013_20221128T111319_E001 CS_OFFL_SIR_LRM_1B_20221128T111653_20221128T112521_E001 CS_OFFL_SIR_LRM_1B_20221128T112848_20221128T115332_E001 CS_OFFL_SIR_LRM_1B_20221128T115707_20221128T120140_E001 CS_OFFL_SIR_LRM_1B_20221128T121639_20221128T121724_E001 CS_OFFL_SIR_LRM_1B_20221128T121846_20221128T122229_E001 CS_OFFL_SIR_LRM_1B_20221128T122232_20221128T122237_E001 CS_OFFL_SIR_LRM_1B_20221128T122445_20221128T122602_E001 CS_OFFL_SIR_LRM_1B_20221128T122604_20221128T125207_E001 CS_OFFL_SIR_LRM_1B_20221128T130816_20221128T133330_E001 CS_OFFL_SIR_LRM_1B_20221128T133332_20221128T133411_E001 CS_OFFL_SIR_LRM_1B_20221128T133414_20221128T133415_E001 CS_OFFL_SIR_LRM_1B_20221128T133419_20221128T133631_E001 CS_OFFL_SIR_LRM_1B_20221128T133718_20221128T133842_E001 CS_OFFL_SIR_LRM_1B_20221128T133915_20221128T133932_E001 CS_OFFL_SIR_LRM_1B_20221128T133932_20221128T134208_E001 CS OFFL SIR LRM 1B 20221128T145646 20221128T150055 E001 CS_OFFL_SIR_LRM_1B_20221128T150624_20221128T151212_E001 CS_OFFL_SIR_LRM_1B_20221128T151501_20221128T151533_E001 Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records Loss of echo Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records The tracking echo is missing for one or more records 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 Loss of echo Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records Loss of echo The tracking echo is missing for one or more records The treating cabe is missing for or

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

CS_OFFL_SIR_LRM_1B_20221128T185403_20221128T185415_E001 CS_OFFL_SIR_LRM_1B_20221128T185418_20221128T185432_E001 CS_OFFL_SIR_LRM_1B_20221128T185434_20221128T185439_E001 CS_OFFL_SIR_LRM_1B_20221128T185441_20221128T185818_E001 CS_OFFL_SIR_LRM_1B_20221128T191140_20221128T191352_E001 CS_OFFL_SIR_LRM_1B_20221128T191357_20221128T192108_E001 CS_OFFL_SIR_LRM_1B_20221128T192110_20221128T192214_E001 CS_OFFL_SIR_LRM_1B_20221128T194736_20221128T195959_E001 CS_OFFL_SIR_LRM_1B_20221128T203139_20221128T203143_E001 CS_OFFL_SIR_LRM_1B_20221128T203146_20221128T203149_E001 CS_OFFL_SIR_LRM_1B_20221128T203153_20221128T203208_E001 CS_OFFL_SIR_LRM_1B_20221128T203211_20221128T203251_E001 CS_OFFL_SIR_LRM_1B_20221128T203254_20221128T203444_E001 CS_OFFL_SIR_LRM_1B_20221128T203448_20221128T203452_E001 CS_OFFL_SIR_LRM_1B_20221128T203454_20221128T203502_E001 CS_OFFL_SIR_LRM_1B_20221128T203506_20221128T203511_E001 CS_OFFL_SIR_LRM_1B_20221128T203513_20221128T203514_E001 CS_OFFL_SIR_LRM_1B_20221128T203516_20221128T203601_E001 CS_OFFL_SIR_LRM_1B_20221128T203604_20221128T203725_E001 CS_OFFL_SIR_LRM_1B_20221128T204119_20221128T205038_E001 CS_OFFL_SIR_LRM_1B_20221128T205041_20221128T205100_E001 CS_OFFL_SIR_LRM_1B_20221128T205303_20221128T210015_E001 CS_OFFL_SIR_LRM_1B_20221128T212944_20221128T213302_E001 CS_OFFL_SIR_LRM_1B_20221128T213305_20221128T213315_E001 CS_OFFL_SIR_LRM_1B_20221128T213318_20221128T213323_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_20221128T213328_20221128T213338_E001
CS_OFFL_SIR_LRM_1B_20221128T213347_20221128T213407_E001
CS_OFFL_SIR_LRM_1B_20221128T213410_20221128T213433_E001
CS_OFFL_SIR_LRM_1B_20221128T213454_20221128T213525_E001
CS_OFFL_SIR_LRM_1B_20221128T214128_20221128T214545_E001
CS_OFFL_SIR_LRM_1B_20221128T214548_20221128T214957_E001
CS_OFFL_SIR_LRM_1B_20221128T215111_20221128T215425_E001
CS_OFFL_SIR_LRM_1B_20221128T215548_20221128T215733_E001
CS_OFFL_SIR_LRM_1B_20221128T221023_20221128T221456_E001
CS_OFFL_SIR_LRM_1B_20221128T221459_20221128T221536_E001
CS_OFFL_SIR_LRM_1B_20221128T221610_20221128T221620_E001
CS_OFFL_SIR_LRM_1B_20221128T221625_20221128T221952_E001
CS_OFFL_SIR_LRM_1B_20221128T221955_20221128T222008_E001
CS_OFFL_SIR_LRM_1B_20221128T222011_20221128T222117_E001
CS_OFFL_SIR_LRM_1B_20221128T222259_20221128T222404_E001
CS_OFFL_SIR_LRM_1B_20221128T225515_20221128T225638_E001
CS_OFFL_SIR_LRM_1B_20221128T230156_20221128T232423_E001
CS_OFFL_SIR_LRM_1B_20221128T232425_20221128T232810_E001
CS_OFFL_SIR_LRM_1B_20221128T232906_20221128T233546_E001
CS_OFFL_SIR_LRM_1B_20221128T235008_20221128T235305_E001
CS_OFFL_SIR_LRM_1B_20221128T235320_20221128T235700_E001
CS_OFFL_SIR_LRM_1B_20221128T235702_20221128T235704_E001
CS_OFFL_SIR_LRM_1B_20221128T235831_20221128T235900_E001

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

4.5 L1B Calibration Usage Check

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

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

Number of products with errors:

4.7 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

0

4.8 L1B Measurement Confidence Data Check

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20221128T104139_20221128T104729_E001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

5. Level 2 Data Quality Check
5.1 L2 Product Format Check
Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a product file (.DBL). Number of products with errors: 0
5.2 L2 Product Header Analysis
For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0
5.3 L2 Auxiliary Data File Usage Check
Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 0
5.4 L2 Auxiliary Correction Error Check

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

101

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

Sea State Bias error: This flag is currently set in all L2 LRM products over ocean, indicating a problem with the sea state bias Due to a known anomaly, the sea state bias field is currently unfilled in all

Baseline-E L2 LRM products. This anomaly will be resolved in the next IPF update.

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_SAR_220221128T011602_20221128T011748_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T012937_20221128T012946_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T012946_20221128T013224_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T021710_20221128T022133_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T022723_20221128T022750_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T022752_20221128T022804_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T024559_20221128T025114_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T025502_20221128T025800_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T030826_20221128T031251_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T035457_20221128T035749_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T035959_20221128T040343_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T040632_20221128T040953_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T043319_20221128T043727_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T044709_20221128T045056_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T051218_20221128T051233_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T053357_20221128T053616_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T053825_20221128T054550_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T054706_20221128T054838_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T061316_20221128T061751_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T062827_20221128T063038_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T071819_20221128T071854_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T073748_20221128T073820_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T075128_20221128T075744_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T080853_20221128T080943_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T082441_20221128T082642_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T092843_20221128T092914_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model

CS_OFFL_SIR_SAR_220221128T092940_20221128T093043_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T094806_20221128T094916_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T100311_20221128T101006_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
		falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T101006_20221128T101102_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T101105_20221128T101159_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T103443_20221128T103511_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T103657_20221128T103718_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T103747_20221128T103848_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T104729_20221128T104813_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
		falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T111319_20221128T111501_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T112721_20221128T112848_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T125208_20221128T125441_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T130615_20221128T130816_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T133631_20221128T133718_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T134208_20221128T134313_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T143005_20221128T143433_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T144518_20221128T144735_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
		falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T145144_20221128T145646_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T151212_20221128T151254_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T151854_20221128T152009_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T152112_20221128T152207_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T152406_20221128T152451_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T152515_20221128T153329_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20221128T153454_20221128T153533_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
	·	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T161018_20221128T161407_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T162400_20221128T162814_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T165254_20221128T165412_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T165620_20221128T165728_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T165728_20221128T170212_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T170302_20221128T170500_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T170550_20221128T171523_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T174921_20221128T175123_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
	·	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T175725_20221128T175731_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T180253_20221128T180639_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T183113_20221128T183243_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T184012_20221128T184042_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T185819_20221128T185910_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T190723_20221128T191140_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T192214_20221128T192300_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T192842_20221128T192901_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T192901_20221128T192931_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
		falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T193625_20221128T193630_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T193637_20221128T193643_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T194037_20221128T194736_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20221128T200000_20221128T200142_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T201029_20221128T201155_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T205100_20221128T205302_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T210015_20221128T210135_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T210750_20221128T210845_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220221128T211525_20221128T211529_E001	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
		falls outside of the extent of the current snow depth model

CS_OFFL_SIR_SAR_220221128T211537_20221128T211543_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T212333_20221128T212339_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T212712_20221128T212944_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T214957_20221128T215111_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T215733_20221128T215809_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T215845_20221128T215917_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T221537_20221128T221540_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T221542_20221128T221543_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T221545_20221128T221605_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T222405_20221128T222409_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T222411_20221128T222448_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T222450_20221128T222739_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T222741_20221128T223139_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T224629_20221128T224803_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T225959_20221128T230155_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220221128T232811_20221128T232906_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SIN_220221128T044404_20221128T044708_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221128T061752_20221128T062050_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221128T062307_20221128T062826_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221128T075744_20221128T080019_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221128T143433_20221128T143819_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221128T161408_20221128T161724_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221128T193854_20221128T194037_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221128T211718_20221128T212332_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220221128T225638_20221128T225959_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records

5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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

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

Number of products with errors:

238

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220221127T235235_20221128T002023_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_220221128T004320_20221128T004959_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220221128T005201_20221128T011601_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_220221128T013224_20221128T020511_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_220221128T022805_20221128T023838_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_220221128T024114_20221128T024559_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_220221128T031251_20221128T034450_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_220221128T035750_20221128T035855_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_220221128T040524_20221128T040631_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_220221128T041610_20221128T043318_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_220221128T045057_20221128T051218_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_220221128T051233_20221128T052455_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_220221128T054838_20221128T055322_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_220221128T055403_20221128T061316_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_220221128T063039_20221128T070416_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_220221128T070440_20221128T070516_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220221128T071854_20221128T073747_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_220221128T073935_20221128T075127_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_220221128T080943_20221128T082440_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_220221128T082642_20221128T083604_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_220221128T085823_20221128T091522_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_220221128T094916_20221128T100310_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_220221128T101611_20221128T101615_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220221128T101941_20221128T102049_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220221128T104139_20221128T104729_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_220221128T104813_20221128T104850_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_220221128T105013_20221128T111319_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_220221128T112848_20221128T115332_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_220221128T122604_20221128T125207_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_220221128T130816_20221128T133330_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_220221128T134313_20221128T134515_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_220221128T135934_20221128T143005_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_220221128T150624_20221128T151212_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_220221128T152303_20221128T152405_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_220221128T153717_20221128T161018_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_220221128T162814_20221128T164402_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_220221128T164708_20221128T165253_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_220221128T171524_20221128T174437_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_220221128T174448_20221128T174921_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_220221128T180639_20221128T183113_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_220221128T185441_20221128T185818_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_220221128T185910_20221128T190723_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_220221128T191140_20221128T191352_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_220221128T191357_20221128T192108_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

		There is a height and heads at the set of the set of the
CS_OFFL_SIR_LRM_220221128T192110_20221128T192214_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2) Height Error	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220221128T194736_20221128T195959_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_220221128T200142_20221128T201028_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_220221128T201155_20221128T201853_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_220221128T204119_20221128T205038_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_220221128T205041_20221128T205100_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_220221128T205303_20221128T210015_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_220221128T212339_20221128T212711_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_220221128T214128_20221128T214545_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_220221128T214548_20221128T214957_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_220221128T215111_20221128T215425_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_220221128T221625_20221128T221952_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220221128T222011_20221128T222117_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220221128T223139_20221128T224629_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_220221128T230156_20221128T232423_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_220221128T232425_20221128T232810_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_SAR_220221128T003148_20221128T004150_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T011602_20221128T011748_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T012937_20221128T012946_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T012946_20221128T013224_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T020904_20221128T021639_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T021710_20221128T022133_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T022723_20221128T022750_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T024559_20221128T025114_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T025502_20221128T025800_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T030826_20221128T031251_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T034803_20221128T035457_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T035457_20221128T035749_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T035959_20221128T040343_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T040632_20221128T040953_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T043319_20221128T043727_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T044709_20221128T045056_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T051218_20221128T051233_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T052640_20221128T053357_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
	Ι	

CS_OFFL_SIR_SAR_220221128T053357_20221128T053616_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T053825_20221128T054550_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T054706_20221128T054838_E001	Backscatter Error (Retracker 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_20221128T061316_20221128T061751_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T062827_20221128T063038_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T070649_20221128T070732_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T070828_20221128T071252_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T071252_20221128T071404_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T071819_20221128T071854_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T073748_20221128T073820_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T075128_20221128T075744_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T080853_20221128T080943_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T082441_20221128T082642_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T084624_20221128T085042_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T085042_20221128T085258_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T092940_20221128T093043_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T094806_20221128T094916_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T100311_20221128T101006_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T102614_20221128T103221_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T103443_20221128T103511_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T103657_20221128T103718_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T103747_20221128T103848_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T104729_20221128T104813_E001	Backscatter Error (Retracker 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_20221128T111319_20221128T111501_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T112721_20221128T112848_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T120318_20221128T120323_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T120323_20221128T120603_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T120622_20221128T120719_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T120746_20221128T121202_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T125208_20221128T125441_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T130615_20221128T130816_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T134208_20221128T134313_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T134515_20221128T135246_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T135307_20221128T135311_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220221128T143005_20221128T143433_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T144518_20221128T144735_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T145144_20221128T145646_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T151212_20221128T151254_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T151854_20221128T152009_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T152112_20221128T152207_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T152406_20221128T152451_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T152515_20221128T153329_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T161018_20221128T161407_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T162400_20221128T162814_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T165254_20221128T165412_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T165620_20221128T165728_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T165728_20221128T170212_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T170302_20221128T170500_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T170550_20221128T171523_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T174921_20221128T175123_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T180253_20221128T180639_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T183113_20221128T183243_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T184012_20221128T184042_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T184518_20221128T185241_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T185819_20221128T185910_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T190723_20221128T191140_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T192214_20221128T192300_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T192842_20221128T192901_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T192901_20221128T192931_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T194037_20221128T194736_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T200000_20221128T200142_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T201029_20221128T201155_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T202431_20221128T202951_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T203018_20221128T203135_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T205100_20221128T205302_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T210015_20221128T210135_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T210750_20221128T210845_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T212333_20221128T212339_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220221128T212712_20221128T212944_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T214957_20221128T215111_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T215733_20221128T215809_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T215845_20221128T215917_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T220322_20221128T220714_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T220714_20221128T221023_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T222450_20221128T222739_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T222741_20221128T223139_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T224629_20221128T224803_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T225959_20221128T230155_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T234145_20221128T234705_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220221128T234723_20221128T235007_E001	Backscatter Error (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_220221128T002024_20221128T003148_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_220221128T005003_20221128T005140_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_220221128T011748_20221128T011924_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_220221128T012810_20221128T012937_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_220221128T020512_20221128T020904_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_220221128T021639_20221128T021709_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_220221128T025800_20221128T025925_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_220221128T030510_20221128T030534_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220221128T030712_20221128T030826_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_220221128T034451_20221128T034802_E001	Backscatter Error (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_220221128T035855_20221128T035946_E001	Backscatter Error (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_220221128T043727_20221128T043853_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_220221128T044404_20221128T044708_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_220221128T061752_20221128T062050_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_220221128T062307_20221128T062826_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_220221128T070732_20221128T070828_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_220221128T071404_20221128T071819_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_220221128T075744_20221128T080019_E001	Backscatter Error (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_220221128T080217_20221128T080349_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220221128T080720_20221128T080853_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_220221128T083604_20221128T083935_E001	Backscatter Error (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_220221128T085258_20221128T085411_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_220221128T085553_20221128T085823_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_220221128T093044_20221128T093144_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_220221128T093246_20221128T093843_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_220221128T094142_20221128T094149_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220221128T094622_20221128T094806_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_220221128T101310_20221128T101506_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_220221128T101558_20221128T101611_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220221128T103222_20221128T103442_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_220221128T103511_20221128T103657_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_220221128T103719_20221128T103746_E001	Backscatter Error (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_220221128T104017_20221128T104139_E001	Backscatter Error (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_220221128T104851_20221128T105013_E001	Backscatter Error (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_220221128T111502_20221128T111653_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_220221128T112521_20221128T112721_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_220221128T115332_20221128T115707_E001	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_220221128T120604_20221128T120622_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_220221128T120720_20221128T120746_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_220221128T121202_20221128T121639_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_220221128T125442_20221128T125619_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_220221128T125743_20221128T125906_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220221128T130323_20221128T130614_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_220221128T135247_20221128T135307_E001	Backscatter Error (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_220221128T135312_20221128T135934_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_220221128T143433_20221128T143819_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_220221128T144404_20221128T144518_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_220221128T151255_20221128T151501_E001	Backscatter Error (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_220221128T152009_20221128T152112_E001	Backscatter Error (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_220221128T152215_20221128T152303_E001	Backscatter Error (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_220221128T152458_20221128T152514_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_220221128T153330_20221128T153454_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

	Backsoattor Error (Batrackor 2)	
CS_OFFL_SIR_SIN_220221128T153534_20221128T153717_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_220221128T161408_20221128T161724_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_220221128T162237_20221128T162400_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_220221128T164403_20221128T164708_E001	Backscatter Error (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_220221128T170501_20221128T170550_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_220221128T175123_20221128T175523_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_220221128T180146_20221128T180253_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_220221128T184042_20221128T184251_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_220221128T184401_20221128T184518_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_220221128T192932_20221128T193103_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_220221128T193854_20221128T194037_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_220221128T201854_20221128T202246_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_220221128T202300_20221128T202431_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_220221128T202951_20221128T203017_E001	Backscatter Error (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_220221128T203726_20221128T204119_E001	Backscatter Error (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_220221128T210846_20221128T211030_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_220221128T211718_20221128T212332_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_220221128T213526_20221128T214127_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_220221128T215809_20221128T215845_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_220221128T215918_20221128T220321_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_220221128T222118_20221128T222258_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_220221128T224804_20221128T225010_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_220221128T225509_20221128T225515_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220221128T225638_20221128T225959_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_220221128T233755_20221128T234144_E001	Backscatter Error (Retracker 2)	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_220221128T234705_20221128T234723_E001	Backscatter Error (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_220221128T235705_20221128T235830_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_220221128T235901_20221129T000102_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