

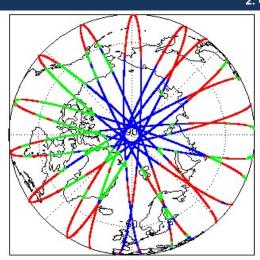
# 1. Overview

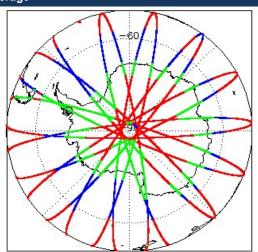
Report Production Date:	15-Sep-2022
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

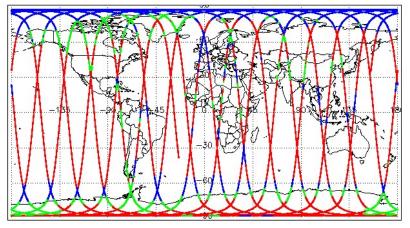
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check	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

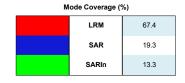
Mission / Instr	ument News
15-Aug-2022	None
16-Aug-2022	None
17-Aug-2022	Large gap of DORIS and Star Tracker L0 at 17/08/2022 12:58:24 to 14:36:33 due to xband acquisition problems

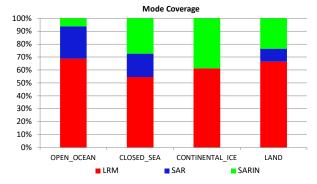
# 2. Global Coverage

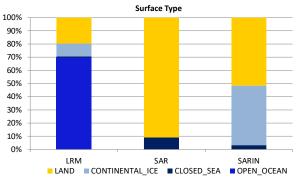












# 3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

# 4. Level 1B Data Quality Check

#### 4.1 L1B Product Format Check

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

Number of products with errors:

#### 4.2 L1B Product Header Analysis

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

Number of products with errors:

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### 4.3 Star Tracker Usage Check

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

Number of products with errors:

0

### 4.4 L1B Tracking Flags Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20220816T004006_20220816T005450_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T005932_20220816T010012_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T010014_20220816T010042_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T010045_20220816T011625_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T013419_20220816T014751_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T015005_20220816T015017_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T015140_20220816T020658_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T021916_20220816T022507_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T022509_20220816T022646_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T022931_20220816T023820_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T023822_20220816T023952_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T031701_20220816T032447_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T032855_20220816T033344_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T033627_20220816T034214_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T035728_20220816T040155_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T040159_20220816T040425_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T040427_20220816T040525_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T040527_20220816T040528_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T040530_20220816T040538_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T040541_20220816T040549_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T040603_20220816T040652_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T041052_20220816T041127_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T045008_20220816T051738_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T051951_20220816T051959_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T052002_20220816T052003_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T052006_20220816T052337_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T054045_20220816T054529_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T054656_20220816T054709_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T062201_20220816T062527_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T071645_20220816T072209_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T072242_20220816T072451_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T072454_20220816T072509_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T072511_20220816T072558_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T072601_20220816T072609_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T072611_20220816T073506_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T073508_20220816T074424_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T075638_20220816T080432_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T081020_20220816T084151_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T090032_20220816T090232_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T090328_20220816T090403_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T090406_20220816T090414_E001	Loss of echo	The tracking echo is missing for one or more records

CS_OFF_SRL_RM_18_20200816T091032_2020816T091041_E001  CS_OFF_SRL_RM_18_2020816T091032_2020816T091041_E001  CS_OFF_SRL_RM_18_2020816T091022_2020816T091045_E001  CS_OFF_SRL_RM_18_2020816T091047_2020816T09464_E001  CS_OFF_SRL_RM_18_2020816T091040_2020816T09045_E001  CS_OFF_SRL_RM_18_2020816T091040_2020816T09045_E001  CS_OFF_SRL_RM_18_2020816T091040_2020816T09045_E001  CS_OFF_SRL_RM_18_2020816T091040_2020816T09045_E001  CS_OFF_SRL_RM_18_2020816T09041_2020816T09045_E001  CS_OFF_SRL_RM_18_2020816T091040_2020816T09045_E001  CS_OFF_SRL_RM_18_2020816T091040_2020816T09040_E001  CS_OFF_SRL_RM_18_2020816T09040_2020816T09040_E001  CS_OFF_SRL_RM_18_2020816T09040_2020816T0904
CS_OFF_SR_LRM_18_20220816170122_122020816170355_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20220816170424_20220816170365_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20220816170424_202208161704619_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20220816170424_20220816170401_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_202208161720302_20220816170405_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_202208161720302_20220816170405_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_202208161720302_2022081617030405_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20220816173032_2022081617303_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20220816173070_2022081617303_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20220816173070_2022081617303_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20220816173070_20220816173034_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20220816173071_20220816173034_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20220816173071_20220816173034_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20220816173071_20220816173034_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20220816173071_2022081617307_E001  CS_OFF_SR_LRM_18_2022081617307_2022081617307_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20220816173000_2022081617307_E001  CS_OFF_SR_LRM_18_20220816173000_2022081617300_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20220816173000_202
CS_OFF_SR_LRM_18_20220816710320_20220816710405_E011  Cos. of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20220816710402_20220816710504_E001  Cos. of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20220816710520_20220816710504_E001  Cos. of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20220816710520_20220816710504_E001  Cos. of echo The tracking echo is missing for one or more records  CS_OFF_SR_LRM_18_20220816710520_20220816710502_E001  CS_OFF_SR_LRM_18_20220816712537_20220816710503_E001  CS_OFF_SR_LRM_18_20220816712537_20220816712503_E001  CS_OFF_SR_LRM_18_20220816713703_20220816710503_E001  CS_OFF_SR_LRM_18_20220816713703_20220816713200_E001  CS_OFF_SR_LRM_18_20220816713703_20220816713200_E001  CS_OFF_SR_LRM_18_20220816713703_20220816713200_E001  CS_OFF_SR_LRM_18_20220816713703_20220816713200_E001  CS_OFF_SR_LRM_18_20220816713703_20220816713200_E001  CS_OFF_SR_LRM_18_20220816713703_20220816713200_E001  CS_OFF_SR_LRM_18_20220816713703_20220816713200_E001  CS_OFF_SR_LRM_18_20220816713703_20220816713200_E001  CS_OFF_SR_LRM_18_20220816713703_20220816713420_E001  CS_OFF_SR_LRM_18_20220816713703_20220816713420_E001  CS_OFF_SR_LRM_18_2022081671367_20220816713420_E001  CS_OFF_SR_LRM_18_2022081671367_2022081671344_E001  CS_OFF_SR_LRM_18_2022081671367_2022081671344_E001  CS_OFF_SR_LRM_18_2022081671367_2022081671344_E001  CS_OFF_SR_LRM_18_2022081671367_2022081671344_E0
CS_OFF_SR_LEM_18_202208167104502_20220816710455_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LEM_18_202208167104522_202208167106926_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LEM_18_202208167106220_202208167106926_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LEM_18_202208167106220_202208167126905_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LEM_18_20220816712600_202208167126905_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LEM_18_202208167126737_202208167126935_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LEM_18_20220816713737_20220816713200_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LEM_18_20220816713737_20220816713200_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LEM_18_2022081671370_20220816713200_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LEM_18_2022081671370_20220816713200_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LEM_18_2022081671370_2022081671320_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LEM_18_2022081671370_20220816714720_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LEM_18_20220816714720_20220816714740_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LEM_18_202208167147420_20220816714740_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LEM_18_202208167147420_20220816714740_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LEM_18_202208167147420_20220816714740_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LEM_18_20220816714740_20220816714740_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SR_LEM_1
CS, OFF_, SIR_LRM_18_20220816T104524_20220816T105041_E001
CS, OFF_, SIR_LRM_18_20220816T104524_20220816T105041_E001
CS_OFFL_SIR_LRM_18_20220816T104621_20220816T105820_E001
CS_OFFL_SIR_LRM_18_2022816T19520_2022816T12406_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2022816T12803_2022816T12406_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2022816T132037_2022816T124048_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2022816T130129_2022816T130438_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2022816T130129_2022816T130438_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2022816T130129_2022816T130438_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_2022816T130129_2022816T130438_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20228016T133717_2022816T13434_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20228016T133717_2022816T13434_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20228016T143747_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20228016T144724_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20228016T144724_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20228016T147474_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20228016T147474_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20228016T147474_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20228016T150016_20228016T144744_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20228016T150016_20228016T144744_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20228016T151247_E002
CS_OFFL_SIR_LRM_18_20220816T123037_2020816T123035_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T123037_2020816T123035_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T130702_20220816T133048_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T133002_20220816T133408_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T133403_2020E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T133403_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T133403_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T141352_E0020816T141708_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T141732_2020816T141704_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T14720_2020816T147042_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T14702_2020816T143848_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T14300_20220816T143848_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T15000_E0020816T15004_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T15006_E0020816T15004_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T151040_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T151047_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T151047_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T153406_E001 Loss of echo The tracking echo is mi
CS_OFFL_SIR_LRM_1B_20220816T130738_20220816T13038_ED01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220816T1307073_20220816T1302200_ED01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220816T1307073_20220816T1332200_ED01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220816T133077_20220816T134326_ED01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220816T135077_20220816T144236_ED01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220816T141707_20220816T141704_ED01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220816T141707_20220816T141740_ED01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220816T141707_20220816T141740_ED01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220816T1405020_20220816T1405040_ED01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220816T150206_20220816T150404_ED01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220816T151204_ED01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220816T151204_ED01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220816T151204_ED01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220816T151204_ED01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220816T151247_20220816T151206_ED01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220816T151247_2020816T151206_ED01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220816T151308_ED020816T161016_ED01 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220816T1510
CS_OFFL_SIR_LRM_IB_20220816T132738_20220816T132438_E0101 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20220816T130703_20220816T133438_E0101 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20220816T132403_20220816T133426_E0101 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20220816T135477_20220816T134326_E0101 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20220816T135477_20220816T144238_E0101 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20220816T141702_0020816T141704_E0011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20220816T141702_0020816T141740_E0011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20220816T141742_0020816T141740_E0011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20220816T141740_E0011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20220816T1405026_20220816T151044_E0011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20220816T151020_E0011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20220816T15104_2020816T151040_E0011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20220816T15104_2020816T151040_E0011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20220816T15104_2020816T151040_E0011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20220816T151040_2020816T151040_E0011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20220816T151040_2020816T151040_E0011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20220816T151040_2020816T160105_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20220816T130129_20220816T132420_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T132403_20220816T132426_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T133717_20220816T132426_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T133717_20220816T134246_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T141724_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T141724_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T141724_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T141724_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T141724_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T151010_2020816T143042_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T151001_20220816T1510120_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T151024_20220816T1510120_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T151024_2020816T1510125_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T151024_2020816T1510125_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T151024_2020816T1510125_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T151001_C00016T151001_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T151001_C00016T151001_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T151001_C00016T161001_C001 L
CS_OFFL_SIR_LRM_IB_20220816T13271_20220816T13240_E001
CS_OFFL_SIR_LRM_18_20220816T132403_20220816T134343_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T1343717_20220816T14438_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T141732_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T141742_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T141742_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T147472_0220816T14424_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T14742_0220816T142424_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T15006_0220816T150446_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T150016_0220816T151214_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T151214_0220816T151214_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T151214_0220816T151245_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T151214_0220816T151245_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T1513015_0220816T151233_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20220816T153015_0220816T153315_022
CS_OFFL_SIR_LRM_18_20220816T1393717_20220816T134334_E001
CS_OFFL_SIR_LRM_1B_20220816T145517_20220816T141704_E001
CS_OFFL_SIR_LRM_IB_20220816T141720_20220816T141704_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20220816T141742_20220816T142424_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20220816T143610_20220816T143854_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20220816T150406_20220816T15044E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20220816T150406_20220816T15044E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20220816T15104_20220816T151245_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20220816T151245_20220816T151245_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20220816T151245_20220816T151245_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20220816T151247_20220816T151245_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20220816T151608_20220816T152333_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20220816T153753_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20220816T1547608_20220816T154446_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20220816T16408_20220816T165015_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20220816T16408_20220816T165015_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20220816T16408_20220816T165015_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20220816T171735_20220816T171000_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20220816T171735_20220816T1714943_E001  Loss of ech
CS_OFFL_SIR_LRM_1B_20220816T14720_2020816T14742_E001  CS_OFFL_SIR_LRM_1B_20220816T14720_2020816T143864_E001  CS_OFFL_SIR_LRM_1B_20220816T150206_2020816T150449_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T150206_2020816T150449_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T150206_2020816T150449_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T1504_20220816T151204_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T15124_20220816T15124_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T15124_20220816T15124_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T15124_20220816T15124_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T15147_20220816T152333_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T151608_20220816T152333_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T153730_20220816T153733_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T154446_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T16408_20220816T162247_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T162685E_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T170100_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T171365_20220816T17444_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T171365_20220816T17444_E001  Loss of echo  The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T14324_E001  CS_OFFL_SIR_LRM_1B_20220816T15006_20220816T150449_E001  CS_OFFL_SIR_LRM_1B_20220816T150016_20220816T150449_E001  CS_OFFL_SIR_LRM_1B_20220816T150016_20220816T150042_E001  CS_OFFL_SIR_LRM_1B_20220816T150016_20220816T151202_E001  CS_OFFL_SIR_LRM_1B_20220816T150016_20220816T151202_E001  CS_OFFL_SIR_LRM_1B_20220816T151204_20220816T151212_E001  CS_OFFL_SIR_LRM_1B_20220816T151204_20220816T151212_E001  CS_OFFL_SIR_LRM_1B_20220816T151204_20220816T151212_E001  CS_OFFL_SIR_LRM_1B_20220816T151215_20220816T151215_E001  CS_OFFL_SIR_LRM_1B_20220816T151215_20220816T151203_E001  CS_OFFL_SIR_LRM_1B_20220816T15127_20220816T151606_E001  CS_OFFL_SIR_LRM_1B_20220816T15106_20220816T15333_E001  CS_OFFL_SIR_LRM_1B_20220816T15305_20220816T15333_E001  CS_OFFL_SIR_LRM_1B_20220816T15305_20220816T15333_E001  CS_OFFL_SIR_LRM_1B_20220816T15305_20220816T154446_E001  CS_OFFL_SIR_LRM_1B_20220816T15305_20220816T154446_E001  CS_OFFL_SIR_LRM_1B_20220816T15408_20220816T16016_E001  CS_OFFL_SIR_LRM_1B_20220816T160607_20220816T16016_E001  CS_OFFL_SIR_LRM_1B_20220816T160607_20220816T160016_E001  CS_OFFL_SIR_LRM_1B_20220816T160007_20220816T160016_E001  CS_OFFL_SIR_LRM_1B_20220816T160007_20220816T160016_E001  CS_OFFL_SIR_LRM_1B_20220816T160007_20220816T160016_E001  CS_OFFL_SIR_LRM_1B_20220816T170001_20220816T160016_E001  CS_OFFL_SIR_LRM_1B_20220816T170001_20220816T170000_E001  CS_OFFL_SIR_LRM_1B_20220816T1710001_20220816T170000_E001  CS_OFFL_SIR_LRM_1B_20220816T1710001_200020816T171000_E001  CS_OFFL_SIR_LRM_1B_20220816T1710001_200020816T171000_E001  CS_OFFL_SIR_LRM_1B_20220816T170001_200020816T171000_E001  CS_OFFL_SIR_LRM_1B_20220816T1710001_200020816T171000_E001  CS_OFFL_SIR_LRM_1B_20220816T170001_200220816T170000_E001  CS_OFFL_SIR_LRM_1B_20220816T170001_200220816T170000_E001  CS_OFFL_SIR_LRM_1B_20220816T170001_200220816T170000_E001  CS_OFFL_SIR_LRM_1B_20220816T170001_200220816T170000_E001  CS_OFFL_SIR_LRM_1B_20220816T170001_20000016T170000_E001  CS_OFFL_SIR_LRM_1B_20220816T170000_E001  CS_OFFL_SIR_LRM_1B_20220816T
CS_OFFL_SIR_LRM_18_20220816T150206_20220816T150206_20220816T150206_20220816T150206_20220816T150206_20220816T150206_20220816T150206_20220816T150206_20220816T151202_E001  CS_OFFL_SIR_LRM_18_20220816T151204_20220816T151202_E001  CS_OFFL_SIR_LRM_18_20220816T151204_20220816T151204_E001  CS_OFFL_SIR_LRM_18_20220816T151204_20220816T15123_E001  CS_OFFL_SIR_LRM_18_20220816T15125_20220816T151245_E001  CS_OFFL_SIR_LRM_18_20220816T15125_20220816T151266_E001  CS_OFFL_SIR_LRM_18_20220816T151204_20220816T15333_E001  CS_OFFL_SIR_LRM_18_20220816T155355_20220816T15333_E001  CS_OFFL_SIR_LRM_18_20220816T155355_20220816T15333_E001  CS_OFFL_SIR_LRM_18_20220816T153856_20220816T15333_E001  CS_OFFL_SIR_LRM_18_20220816T153856_20220816T15333_E001  CS_OFFL_SIR_LRM_18_20220816T153856_20220816T15446_E001  CS_OFFL_SIR_LRM_18_20220816T153856_20220816T160106_E001  CS_OFFL_SIR_LRM_18_20220816T15408_20220816T160106_E001  CS_OFFL_SIR_LRM_18_20220816T16408_20220816T16015_E001  CS_OFFL_SIR_LRM_18_20220816T16007_20220816T16015_E001  CS_OFFL_SIR_LRM_18_20220816T16007_20220816T16015_E001  CS_OFFL_SIR_LRM_18_20220816T16007_20220816T16015_E001  CS_OFFL_SIR_LRM_18_20220816T16007_20220816T16015_E001  CS_OFFL_SIR_LRM_18_20220816T16007_20220816T16015_E001  CS_OFFL_SIR_LRM_18_20220816T16007_20220816T16015_E001  CS_OFFL_SIR_LRM_18_20220816T16007_20220816T160015_E001  CS_OFFL_SIR_LRM_18_20220816T160007_20220816T160015_E001  CS_OFFL_SIR_LRM_18_20220816T160007_20220816T160015_E001  CS_OFFL_SIR_LRM_18_20220816T170021_20220816T17000_E001  CS_OFFL_SIR_LRM_18_20220816T170021_20220816T17000_E001  CS_OFFL_SIR_LRM_18_20220816T171002_2020816T17000_E001  CS_OFFL_SIR_LRM_18_20220816T171000_E001  CS_OFFL_SIR_LRM_18_20220816T171000_E001  CS_OFFL_SIR_LRM_18_20220816T172005_E001  CS_OFFL_SIR_LRM_18_20220816T172005_20220816T172005_E001  CS_OFFL_SIR_LRM_18_20220816T170001_20220816T172005_E001  CS_OFFL_SIR_LRM_18_20220816T170001_20220816T172005_E001  CS_OFFL_SIR_LRM_18_20220816T170001_20020816T172005_E001  CS_OFFL_SIR_LRM_18_20220816T170001_20020816T172005_E001  CS_OFFL_SIR_LRM_
CS_OFFL_SIR_LRM_1B_20220816T150916_20220816T15120_E001  CS_OFFL_SIR_LRM_1B_20220816T151204_20220816T151213_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T151215_20220816T151245_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T151247_20220816T151606_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T151608_20220816T152333_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T153515_20220816T153333_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T153856_20220816T1534446_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T154730_20220816T164446_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T161408_20220816T162247_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T162607_20220816T165015_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T165011_20220816T165015_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T170201_20220816T170100_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T171604_20220816T172057_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T172508_20220816T172506_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T172050_20220816T174943_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T172050_20220816T174943_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T1780535_20220816T174943_E001  Loss of echo  The tracking echo is missing for one or mo
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CS_OFFL_SIR_LRM_1B_20220816T171604_20220816T172057_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T172205_20220816T172506_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T172508_20220816T174943_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T180535_20220816T182930_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T182932_20220816T183026_E001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20220816T172508_20220816T174943_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T182932_20220816T182930_E001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20220816T183442_20220816T183705_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T183705_20220816T184326_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T195323_20220816T195817_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T195822_20220816T195951_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T200146_20220816T200200_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T200202_20220816T200642_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T200748_20220816T200822_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T201104_20220816T201109_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T201111_20220816T201155_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T201328_20220816T201447_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T201447_20220816T201647_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T201919_20220816T201947_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T214257_20220816T215016_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T215210_20220816T215322_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20220816T215340_20220816T215358_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T224139_20220816T224631_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20220816T235018_20220817T000902_E001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220816T235018_20220817T000902_E001 Loss of echo The tracking echo is missing for one or more records

# 4.5 L1B Calibration Usage Check

# 4.6 L1B Auxilary Data File Usage Check

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

Number of products with errors:

#### 4.7 L1B Auxiliary Correction Error Check

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

Number of products with errors:

#### 4.8 L1B Measurement Confidence Data Check

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

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

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

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

umber of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20220816T015140_20220816T020658_E001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

## 5. Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

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

Number of products with errors:

### 5.2 L2 Product Header Analysis

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

Number of products with errors:

### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

### 5.4 L2 Auxiliary Correction Error Check

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

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

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

Snow Depth Model error: This flag is currently set in all L2 SAR products over ocean, which fall outside of the extent of the current snow depth model. Currently the snow depth model is only availlable 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: 92

Product	Test Failed	Description
CS_OFFL_SIR_SAR_220220816T005450_20220816T005931_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T011626_20220816T011718_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T012410_20220816T012417_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T012423_20220816T012429_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T012824_20220816T013419_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T014751_20220816T014901_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T014904_20220816T015004_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T015017_20220816T015139_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T020756_20220816T021002_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T023953_20220816T024055_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T024058_20220816T024132_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T025515_20220816T025633_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T030322_20220816T030329_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T033507_20220816T033627_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T041127_20220816T041232_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T043331_20220816T043539_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T044800_20220816T045008_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T061314_20220816T061505_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T062651_20220816T062916_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220816T033507_20220816T033627_E001  CS_OFFL_SIR_SAR_2_20220816T041127_20220816T041232_E001  CS_OFFL_SIR_SAR_2_20220816T043331_20220816T043539_E001  CS_OFFL_SIR_SAR_2_20220816T044800_20220816T045008_E001  CS_OFFL_SIR_SAR_2_20220816T061314_20220816T061505_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model. There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model. There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model. There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model. There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model. There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model. There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model.

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CS_OFFL_SIR_SAR_220220816T074424_20220816T074827_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220816T075239_20220816T075512_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T080545_20220816T081019_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T084241_20220816T084332_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T085722_20220816T085751_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T085915_20220816T090031_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T090414_20220816T090437_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220816T090523_20220816T090726_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20220816T091912_20220816T091916_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 2 20220816T091918 20220816T092158 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_2_20220816T093030_20220816T093443_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 2 20220816T094425 20220816T094828 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_220220816T100937_20220816T101221_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_220220816T103116_20220816T103312_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_220220816T103608_20220816T104308_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T104455_20220816T104524_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T105829_20220816T110011_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T111028_20220816T111450_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T112539_20220816T112800_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T121520_20220816T121542_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T123534_20220816T123536_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T124809_20220816T125503_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T130603_20220816T130703_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220816T132200_20220816T132345_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20220816T132347_20220816T132403_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_220220816T141240_20220816T141451_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_220220816T142424_20220816T142822_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_2_20220816T142843_20220816T142905_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_220220816T142949_20220816T143003_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_2_20220816T144522_20220816T144629_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_220220816T150027_20220816T150206_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_220220816T150450_20220816T150745_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T150745_20220816T150757_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T150802_20220816T150916_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T153158_20220816T153246_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T154446_20220816T154606_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T161016_20220816T161224_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T162427_20220816T162607_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T165437_20220816T165511_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T174943_20220816T175202_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T180325_20220816T180535_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220816T183405_20220816T183442_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220220816T192731_20220816T193147_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 output of the output depth pedal
CS_OFFL_SIR_SAR_2_20220816T194243_20220816T194443_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_2_20220816T194907_20220816T195322_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_2Z0Z200101194907_Z0Z200101193322_E001		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
	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_2_20220816T201155_20220816T201257_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_220220816T201647_20220816T201727_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_2_20220816T201850_20220816T201919_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_220220816T203205_20220816T203247_E001	Snow depth model	falls outside of the extent of the current snow depth model

CS_OFFL_SIR_SAR_2_20220816T210727_20220816T211127_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220816T212114_20220816T212534_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220816T215017_20220816T215209_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220816T215322_20220816T215340_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220816T215358_20220816T215434_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220816T215434_20220816T215709_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T215741_20220816T215928_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T220115_20220816T220226_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220816T222251_20220816T222440_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220816T224631_20220816T224845_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220816T225444_20220816T225451_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220816T230016_20220816T230401_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220816T233757_20220816T233813_E001	Snow depth model	There is an error 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_2_20220816T012621_20220816T012824_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20220816T030502_20220816T031156_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220816T094123_20220816T094425_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20220816T111451_20220816T111755_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220816T112025_20220816T112539_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220816T125504_20220816T125738_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220816T143003_20220816T143610_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220816T193147_20220816T193536_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20220816T211128_20220816T211443_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_2_20220816T224846_20220816T225300_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: 236

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220220815T235612_20220816T002753_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_220220816T004006_20220816T005450_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220816T005932_20220816T010012_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_220220816T010045_20220816T011625_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_220220816T013419_20220816T014751_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220816T015140_20220816T020658_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_220220816T022509_20220816T022646_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220816T022931_20220816T023820_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_220220816T023822_20220816T023952_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_220220816T024132_20220816T025515_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_220220816T031701_20220816T032447_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_220220816T032855_20220816T033344_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_220220816T033627_20220816T034214_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_220220816T034336_20220816T034548_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_220220816T040603_20220816T040652_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220816T041232_20220816T043330_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_220220816T045008_20220816T051738_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20220816T053838_20220816T053921_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_220220816T054925_20220816T061313_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_220220816T062917_20220816T070158_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_220220816T071645_20220816T072209_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_220220816T072611_20220816T073506_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_220220816T073508_20220816T074424_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_220220816T081020_20220816T084151_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_220220816T085351_20220816T085607_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_220220816T091714_20220816T091911_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_220220816T092158_20220816T093030_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_220220816T094828_20220816T100936_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_220220816T101221_20220816T102355_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_220220816T105220_20220816T105829_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_220220816T110011_20220816T111028_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_220220816T112800_20220816T120405_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220816T121543_20220816T123533_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_220220816T123537_20220816T124809_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_220220816T130703_20220816T132200_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_220220816T132403_20220816T133426_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_220220816T135617_20220816T141239_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_220220816T150206_20220816T150449_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_220220816T151204_20220816T151213_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220816T151608_20220816T152333_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220816T153515_20220816T153733_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_220220816T153856_20220816T154446_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_220220816T154730_20220816T161016_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_220220816T162607_20220816T165015_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_220220816T170021_20220816T170100_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_220220816T172508_20220816T174943_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

Height Error (Retracker 2). Backscatter error for Retracker 2 and a height and backscatter error for Retracker 2 and a height error (Retracker 2). Backscatter error for Retracker 2 and a height error (Retracker 2). Backscatter error for Retracker 2 and a height error (Retracker 2). Backscatter error for Retracker 2 and a height error (Retracker 2). Backscatter error for Retracker 2 and a height error (Retracker 2). Backscatter error for Retracker 2 and a height error (Retracker 2). Backscatter error for Retracker 2 and a height error (Retracker 2). Backscatter error for Retracker 2 for one or more records  CS_OFFL_SIR_LRM_2_20220816T202028_20220816T20217_E001
CS_OFFL_SIR_LRM_2_20220816T195323_20220816T195817_E001  CS_OFFL_SIR_LRM_2_20220816T202028_20220816T202217_E001  CS_OFFL_SIR_LRM_2_20220816T202028_20220816T202217_E001  CS_OFFL_SIR_LRM_2_20220816T203416_20220816T202217_E001  CS_OFFL_SIR_LRM_2_20220816T203416_20220816T2076_E001  CS_OFFL_SIR_LRM_2_20220816T203416_20220816T2076_E001  CS_OFFL_SIR_LRM_2_20220816T203416_20220816T210726_E001  CS_OFFL_SIR_LRM_2_20220816T212535_20220816T214104_E001  CS_OFFL_SIR_LRM_2_20220816T221128_20220816T222250_E001  CS_OFFL_SIR_LRM_2_20220816T221128_20220816T222250_E001  CS_OFFL_SIR_LRM_2_20220816T221240_20220816T222250_E001  CS_OFFL_SIR_LRM_2_20220816T222440_20220816T224129_E001  CS_OFFL_SIR_LRM_2_20220816T222440_20220816T224129_E001  CS_OFFL_SIR_LRM_2_20220816T223413_20220816T224139_E001  CS_OFFL_SIR_LRM_2_20220816T233344_E001  CS_OFFL_SIR_LRM_2_20220816T233344_E001  CS_OFFL_SIR_LRM_2_20220816T233344_2020816T233375_E001  CS_OFFL_SIR_LRM_2_20220816T2333634_20220816T233375_E001  CS_OFFL_SIR_LRM_2_20220816T2333634_20220816T233375_E001  CS_OFFL_SIR_LRM_2_20220816T2333634_20220816T000002_E001  CS_OFFL_SIR_LRM_2_20220816T0000002_E001  CS_OFFL_SIR_LRM_2_20220816T0000002_E001  CS_OFFL_SIR_LRM_2_20220816T0000002_E001  CS_OFFL_SIR_LRM_2_20220816T0000002_E001  CS_OFFL_SIR_LRM_2_20220816T0000002_E001  CS_OFFL_SIR_LRM_2_20220816T00000002_E001  CS_OFFL_SIR_LRM_2_20220816T00000002_E001  CS_OFFL_SIR_LRM_2_20220816T00000002_E001  CS_OFFL_SIR_LRM_2_20220816T00000002_E001  CS_OFFL_SIR_LRM_2_20220816T00000002_E001  CS_OFFL_SIR_LRM_2_20220816T00000000000000000000000000000000000
Error (Retracker 2)  CS_OFFL_SIR_LRM_2_20220816T202028_2020816T20217_E001  CS_OFFL_SIR_LRM_2_20220816T203416_20220816T201726_E001  CS_OFFL_SIR_LRM_2_20220816T203416_20220816T210726_E001  CS_OFFL_SIR_LRM_2_20220816T203416_20220816T214104_E001  CS_OFFL_SIR_LRM_2_20220816T212535_20220816T214104_E001  CS_OFFL_SIR_LRM_2_20220816T221128_20220816T222250_E001  CS_OFFL_SIR_LRM_2_20220816T221128_20220816T222250_E001  CS_OFFL_SIR_LRM_2_20220816T2224129_E001  CS_OFFL_SIR_LRM_2_20220816T2224129_E001  CS_OFFL_SIR_LRM_2_20220816T2224139_20220816T224129_E001  CS_OFFL_SIR_LRM_2_20220816T224139_20220816T224631_E001  CS_OFFL_SIR_LRM_2_20220816T233414_E001  CS_OFFL_SIR_LRM_2_20220816T233447_20220816T233314_E001  CS_OFFL_SIR_LRM_2_20220816T233447_20220816T2333634_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233757_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T03303_20220816T003002_E001  CS_OFFL_SIR_LRM_2_20220816T033033_20220816T003002_E001  CS_OFFL_SIR_LRM_2_20220816T033033_20220816T003002_E001  CS_OFFL_SIR_LRM_2_20220816T033033_20220816T003002_E001  CS_OFFL_SIR_LRM_2_20220816T033033_20220816T003002_E001  CS_OFFL_SIR_LRM_2_20220816T033033_20220816T003003_B0220816T000002_E001  CS_OFFL_SIR_LRM_2_20220816T003303_20220816T000002_E001  CS_OFFL_SIR_LRM_2_20220816T003303_20220816T000002_E001  CS_OFFL_SIR_LRM_2_20220816T003303_20220816T0000002_E001  CS_OFFL_SIR_LRM_2_20220816T003303_20220816T0000002_E001  CS_OFFL_SIR_LRM_2_20220816T003303_20220816T0000002_E001  CS_OFFL_SIR_LRM_2_20220816T003303_20220816T0000002_E001  CS_OFFL_SIR_LRM_2_20220816T003303_20220816T0000002_E001  CS_OFFL_SIR_SAR_2_20220816T003303_20220816T0000002_E001  CS_OFFL_SIR_SAR_2_20220816T003303_20220816T0000002_E001  CS_OFFL_SIR_SAR_2_20220816T003303_20220816T0000002_E001  CS_OFFL_SIR_SAR_2_20220816T0003003_20220816T0000002_E001  CS_OFFL_SIR_SAR_2_20220816T0003003_20220816T0000002_E001  CS_OFFL_SIR_SAR_2_20220816T0000002_E001  CS_OFFL_SIR_SAR_2_20220816T0000002_E001  CS_OFFL_SIR_SAR_2_20220816T00000002_E001  CS_OFFL_SIR_SAR_2_20220816T0000002_E001  CS_OFFL_SIR_SAR
Error (Retracker 2). Height Error (Retracker 2). Backscatter Error (Retracker 3). Backscatter Error (Retracker 2). Backscatter Error (Retracker 3). Backscatter Error
CS_OFFL_SIR_LRM_2_20220816T212535_20220816T214104_E001  CS_OFFL_SIR_LRM_2_20220816T212535_20220816T214104_E001  CS_OFFL_SIR_LRM_2_20220816T212535_20220816T224104_E001  CS_OFFL_SIR_LRM_2_20220816T221128_20220816T222250_E001  CS_OFFL_SIR_LRM_2_20220816T221128_20220816T222250_E001  CS_OFFL_SIR_LRM_2_20220816T2221128_20220816T222250_E001  CS_OFFL_SIR_LRM_2_20220816T222440_20220816T222419_E001  CS_OFFL_SIR_LRM_2_20220816T222440_20220816T224129_E001  CS_OFFL_SIR_LRM_2_20220816T224139_20220816T224129_E001  CS_OFFL_SIR_LRM_2_20220816T224139_20220816T224631_E001  CS_OFFL_SIR_LRM_2_20220816T230401_20220816T223314_E001  CS_OFFL_SIR_LRM_2_20220816T230401_20220816T233314_E001  CS_OFFL_SIR_LRM_2_20220816T233344_20220816T2333634_E001  CS_OFFL_SIR_LRM_2_20220816T2333634_20220816T233634_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233634_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233634_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233634_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233634_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233634_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233634_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233634_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233634_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233654_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233654_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233654_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233654_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233654_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233656_E001  CS_OFFL_SIR_LRM_2_20220816T033033_20220816T004005_E001  CS_OFFL_SIR_LRM_2_20220816T003303_20220816T004005_E001  CS_OFFL_SIR_SAR_2_20220816T005456_20220816T004005_E001  CS_OFFL_SIR_SAR_2_20220816T005456_20220816T006405_E001  CS_OFFL_SIR_SAR_2_20220816T005456_20220816T006405_E001  CS_OFFL_SIR_SAR_2_20220816T005456_20220816T006405_E001  CS_OFFL_SIR_SAR_2_20220816T006456_20220816T006405_E001  CS_OFFL_SIR_SAR_2_20220816T006456_20220816T006405_E001  CS_OFFL_SIR_SAR_2_20220816T
Error (Retracker 2)  Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), B
CS_OFFL_SIR_LRM_2_20220816T222128_20220816T222250_E001  (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3) and no DEM or Slope Model was used for the location of or more records  There is a height and backscatter error for Retracker 2 and a height error (Retracker 3) and no DEM or Slope Model was used for the location of or more records  There is a height and backscatter error for Retracker 2 and a height error (Retracker 3). Backscatter Error (Retracker 3) and no DEM or Slope Model was used for the location of or more records  There is a height and backscatter error for Retracker 2 and a height error (Retracker 3) and no DEM or Slope Model was used for the location of or more records  There is a height and backscatter error for Retracker 2 and a height error (Retracker 3) and no DEM or Slope Model was used for the location of or more records  There is a height and backscatter error for Retracker 2 and a height error (Retracker 2). Backscatter error for Retracker 2 for one or more records  CS_OFFL_SIR_LRM_2_20220816T233401_20220816T233634_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233634_E001  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233757_E001  Eleight Error (Retracker 2), Backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3) and backscatter error for Retracker 2 and a height error (Retracker 3) and backscatter error for Retracker 2 and a height error (Retracker 3) and backscatter error for Retracker 2 and a height error (Retracker 3) and backscatter error for Retracker 2 and a height error (Retracker 3) and backscatter error for Retracker 2 and a height error (Retracker 3). Backscatter Error (Retracker 3)  There is a height and backscatter error for Retracker 2 and 3 for one or more records  There is a height and backscatter error for Retra
CS_OFFL_SIR_LRM_2_20220816T22440_20220816T224129_E001  (Retracker 3), Backscatter Error (Retracker 2)
CS_OFFL_SIR_LRM_2_20220816T230401_20220816T232314_E001
CS_OFFL_SIR_LRM_2_20220816T232347_20220816T233634_E001  Error (Retracker 2) records  There is a height and backscatter error for Retracker 2 for one or more records  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233757_E001  Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2)  CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233757_E001  Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3) for one or more records  CS_OFFL_SIR_SAR_2_20220816T003303_20220816T004005_E001  Backscatter Error (Retracker 2), There is a backscatter error for Retracker 2 and 3 for one or more records  There is a backscatter error for Retracker 2 and 3 for one or more records  There is a backscatter error for Retracker 2 and 3 for one or more records  There is a backscatter error for Retracker 2 and 3 for one or more records  There is a backscatter error for Retracker 2 and 3 for one or more records  There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_LRM_2_20220816T233634_20220816T233757_E001  Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2).  There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error (Retracker 3).  CS_OFFL_SIR_LRM_2_20220816T235018_20220817T000902_E001  CS_OFFL_SIR_SAR_2_20220816T003303_20220816T004005_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 2).  Backscatter Error (Retracker 2).  Backscatter Error (Retracker 2).  Backscatter Error (Retracker 2).  There is a height and backscatter error for Retracker 2 and a height error (Retracker 3) for one or more records  There is a backscatter error for Retracker 2 and 3 for one or more records  There is a backscatter error for Retracker 2 and 3 for one or more records
Error (Retracker 2)  CS_OFFL_SIR_LRM_2_20220816T235018_20220817T000902_E001  Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) for Retracker 3 for one or more records  CS_OFFL_SIR_SAR_2_20220816T003303_20220816T004005_E001  Backscatter Error (Retracker 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_20220816T005550_20220816T005931_E001  Backscatter Error (Retracker 2), There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_LRM_2_20220816T235018_20220817T000902_E001  (Retracker 3), Backscatter Error (Retracker 2) for Retracker 3 for one or more records  CS_OFFL_SIR_SAR_2_20220816T003303_20220816T004005_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more records  Backscatter Error (Retracker 2), Backscatter Error (Re
Backscatter Error (Retracker 3)  Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2)  Backscatter Error (Retracker 2)  There is a backscatter error for Petracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T011626_20220816T011718_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T012824_20220816T013419_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T015017_20220816T015139_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T020756_20220816T021002_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T021218_20220816T021915_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T023953_20220816T024055_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T024058_20220816T024132_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T025515_20220816T025633_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T033507_20220816T033627_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T035051_20220816T035613_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T035630_20220816T035727_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T041127_20220816T041232_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T043331_20220816T043539_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T044800_20220816T045008_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T052914_20220816T053837_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T061314_20220816T061505_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T062651_20220816T062916_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco
CS_OFFL_SIR_SAR_2_20220816T070614_20220816T071353_E001  Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)  There is a backscatter error for Retracker 2 and 3 for one or more reco

CS_OFFL_SIR_SAR_2_20220816T071429_20220816T071504_E001	Backscatter Error (Retracker 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_20220816T074424_20220816T074827_E001	Backscatter Error (Retracker 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_20220816T075239_20220816T075512_E001	Backscatter Error (Retracker 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_20220816T080545_20220816T081019_E001	Backscatter Error (Retracker 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_20220816T084533_20220816T085215_E001	Backscatter Error (Retracker 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_20220816T085215_20220816T085351_E001	Backscatter Error (Retracker 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_20220816T085722_20220816T085751_E001	Backscatter Error (Retracker 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_20220816T085915_20220816T090031_E001	Backscatter Error (Retracker 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_20220816T090523_20220816T090726_E001	Backscatter Error (Retracker 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_20220816T091918_20220816T092158_E001	Backscatter Error (Retracker 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_20220816T093030_20220816T093443_E001	Backscatter Error (Retracker 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_20220816T094425_20220816T094828_E001	Backscatter Error (Retracker 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_20220816T100937_20220816T101221_E001	Backscatter Error (Retracker 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_20220816T102355_20220816T103116_E001	Backscatter Error (Retracker 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_20220816T103116_20220816T103312_E001	Backscatter Error (Retracker 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_20220816T103608_20220816T104308_E001	Backscatter Error (Retracker 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_20220816T104455_20220816T104524_E001	Backscatter Error (Retracker 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_20220816T105829_20220816T110011_E001	Backscatter Error (Retracker 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_20220816T111028_20220816T111450_E001	Backscatter Error (Retracker 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_20220816T112539_20220816T112800_E001	Backscatter Error (Retracker 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_20220816T120405_20220816T120520_E001	Backscatter Error (Retracker 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_20220816T120539_20220816T121012_E001	Backscatter Error (Retracker 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_20220816T121012_20220816T121127_E001	Backscatter Error (Retracker 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_20220816T121520_20220816T121542_E001	Backscatter Error (Retracker 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_20220816T123534_20220816T123536_E001	Backscatter Error (Retracker 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_20220816T124809_20220816T125503_E001	Backscatter Error (Retracker 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_20220816T130603_20220816T130703_E001	Backscatter Error (Retracker 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_20220816T132200_20220816T132345_E001	Backscatter Error (Retracker 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_20220816T132347_20220816T132403_E001	Backscatter Error (Retracker 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_20220816T134334_20220816T134847_E001	Backscatter Error (Retracker 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_20220816T134847_20220816T135014_E001	Backscatter Error (Retracker 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_20220816T142424_20220816T142822_E001	Backscatter Error (Retracker 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_20220816T142843_20220816T142905_E001	Backscatter Error (Retracker 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_20220816T142949_20220816T143003_E001	Backscatter Error (Retracker 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_20220816T144522_20220816T144629_E001	Backscatter Error (Retracker 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_20220816T150027_20220816T150206_E001	Backscatter Error (Retracker 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_20220816T150450_20220816T150745_E001	Backscatter Error (Retracker 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_20220816T150802_20220816T150916_E001	Backscatter Error (Retracker 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_20220816T152333_20220816T152503_E001	Backscatter Error (Retracker 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_20220816T152519_20220816T152942_E001	Backscatter Error (Retracker 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_20220816T153158_20220816T153246_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220816T154446_20220816T154606_E001	Backscatter Error (Retracker 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_20220816T161016_20220816T161224_E001	Backscatter Error (Retracker 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_20220816T162427_20220816T162607_E001	Backscatter Error (Retracker 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_20220816T170101_20220816T170105_E001	Backscatter Error (Retracker 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_20220816T170106_20220816T170330_E001	Backscatter Error (Retracker 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_20220816T170342_20220816T170440_E001	Backscatter Error (Retracker 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_20220816T170501_20220816T170908_E001	Backscatter Error (Retracker 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_20220816T174943_20220816T175202_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220816T180325_20220816T180535_E001	Backscatter Error (Retracker 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_20220816T184327_20220816T184948_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220816T192731_20220816T193147_E001	Backscatter Error (Retracker 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_20220816T194243_20220816T194443_E001	Backscatter Error (Retracker 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_20220816T194907_20220816T195322_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220816T200822_20220816T201102_E001	Backscatter Error (Retracker 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_20220816T201155_20220816T201257_E001	Backscatter Error (Retracker 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_20220816T201647_20220816T201727_E001	Backscatter Error (Retracker 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_20220816T201850_20220816T201919_E001	Backscatter Error (Retracker 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_20220816T202303_20220816T203051_E001	Backscatter Error (Retracker 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_20220816T210727_20220816T211127_E001	Backscatter Error (Retracker 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_20220816T212114_20220816T212534_E001	Backscatter Error (Retracker 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_20220816T215017_20220816T215209_E001	Backscatter Error (Retracker 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_20220816T215358_20220816T215434_E001	Backscatter Error (Retracker 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_20220816T215434_20220816T215709_E001	Backscatter Error (Retracker 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_20220816T215741_20220816T215928_E001	Backscatter Error (Retracker 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_20220816T220115_20220816T220226_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220816T220256_20220816T221128_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220816T222251_20220816T222440_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220220816T224631_20220816T224845_E001	Backscatter Error (Retracker 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_20220816T230016_20220816T230401_E001	Backscatter Error (Retracker 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_20220816T233757_20220816T233813_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220816T234237_20220816T234513_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220816T234513_20220816T235018_E001	Backscatter Error (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_220220816T002753_20220816T002811_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T002814_20220816T002857_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220816T003159_20220816T003302_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_220220816T011718_20220816T011855_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_220220816T012442_20220816T012445_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220816T012621_20220816T012824_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T020658_20220816T020755_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_220220816T021002_20220816T021218_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_220220816T022738_20220816T022930_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_220220816T025633_20220816T025820_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T030357_20220816T030400_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220816T030502_20220816T031156_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_220220816T031313_20220816T031700_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220816T032447_20220816T032855_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220816T033344_20220816T033506_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20220816T034548_20220816T035050_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220816T035613_20220816T035629_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220816T040652_20220816T041052_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_220220816T043539_20220816T043853_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T044240_20220816T044246_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T044548_20220816T044759_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T052337_20220816T052914_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220816T054529_20220816T054645_E001	SARIn X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_2_20220816T061506_20220816T061636_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T062528_20220816T062651_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_220220816T070159_20220816T070613_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220816T071353_20220816T071429_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

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CS_OFFL_SIR_SIN_2_20220816T071639_20220816T071644_E001	Backscatter Error (Retracker 3)  Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220220816T075513_20220816T075637_E001	Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220816T080432_20220816T080545_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T084151_20220816T084240_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20220816T084332_20220816T084533_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20220816T085607_20220816T085646_E001	Backscatter Error (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_220220816T085752_20220816T085915_E001	Backscatter Error (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_220220816T090437_20220816T090522_E001	Backscatter Error (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_220220816T093444_20220816T093609_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_220220816T094123_20220816T094425_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T111451_20220816T111755_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_220220816T112025_20220816T112539_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T120521_20220816T120538_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220816T121127_20220816T121520_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T125504_20220816T125738_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_220220816T125934_20220816T130129_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T130438_20220816T130603_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T133426_20220816T133717_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220816T135014_20220816T135130_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_220220816T135335_20220816T135617_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T142822_20220816T142843_E001	Backscatter Error (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_220220816T143003_20220816T143610_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T143855_20220816T143910_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220816T144340_20220816T144521_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_220220816T152503_20220816T152519_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_220220816T152942_20220816T153121_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_220220816T153124_20220816T153158_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_220220816T153247_20220816T153514_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_220220816T154607_20220816T154729_E001	Backscatter Error (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_220220816T161224_20220816T161407_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_220220816T162247_20220816T162426_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_220220816T165015_20220816T165243_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_220220816T165322_20220816T165436_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_220220816T170330_20220816T170342_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20220816T170440_20220816T170500_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220816T170908_20220816T171352_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220816T175202_20220816T175336_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T175507_20220816T175623_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220816T180043_20220816T180325_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T184948_20220816T185722_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_220220816T193147_20220816T193536_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T194124_20220816T194243_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T201727_20220816T201849_E001	Backscatter Error (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_220220816T201947_20220816T202028_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20220816T202218_20220816T202303_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220816T203051_20220816T203205_E001	Backscatter Error (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_220220816T203247_20220816T203416_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220816T211128_20220816T211443_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T211956_20220816T212114_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T214104_20220816T214257_E001	Backscatter Error (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_220220816T220226_20220816T220256_E001	Backscatter Error (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_220220816T224846_20220816T225300_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220816T225903_20220816T230015_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_220220816T232314_20220816T232347_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20220816T233813_20220816T234044_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_220220816T234114_20220816T234237_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