

**26/01/2023** 





# 1. Overview

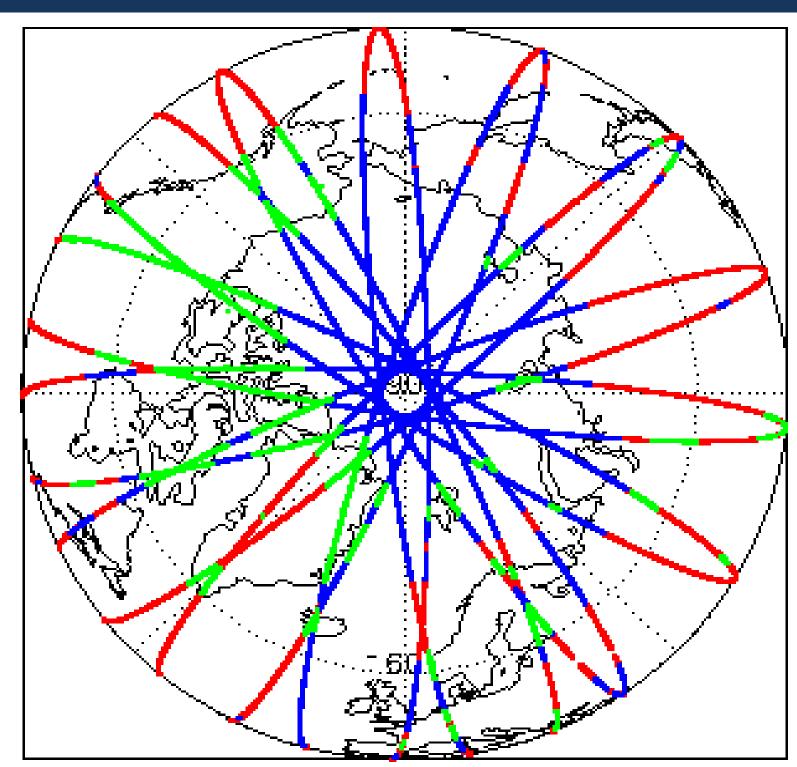
Report Production Date:	24-Feb-2023
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

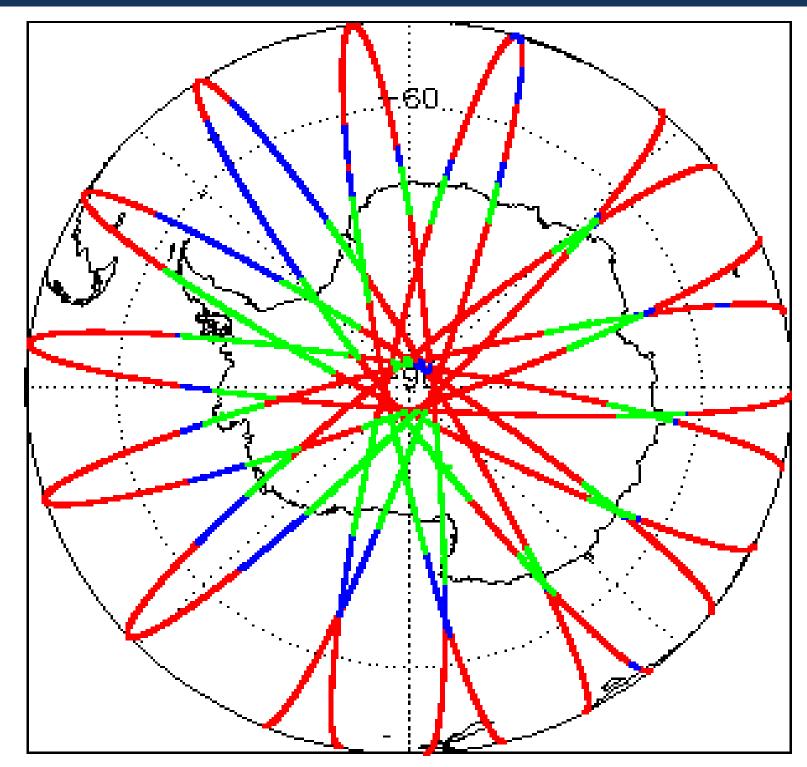
We would love to hear from you!	Please
let us know your feedback about these daily quality	reports:
What do you like/ dislike? What quality information	do you
need? Send your feedback to	
cs2_qc_team@telespazio.com	

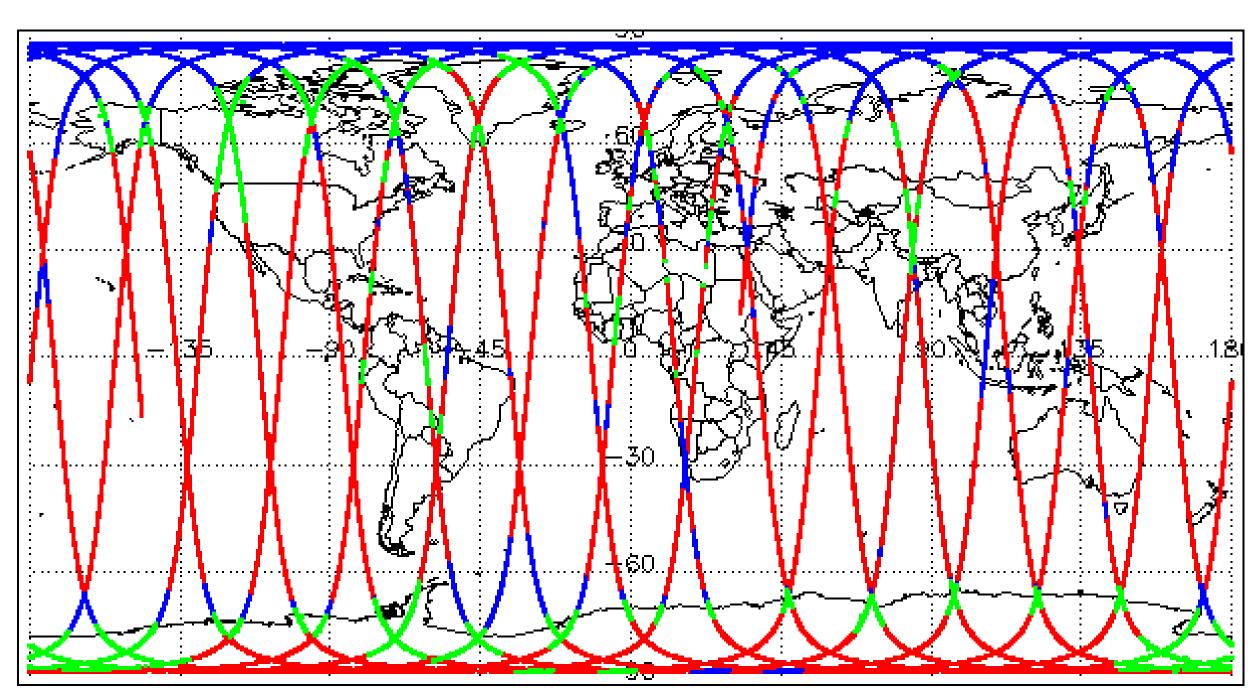
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File Usage Check	Nominal
L1B & L2 Auxiliary Correction Error Check	See Section 4.7 and 5.4
L1B & L2 Measurement Confidence Data Check	See Section 4.8 and 5.5
QCC Errors/ Warnings	See Section 6.1, 6.2 and 6.3

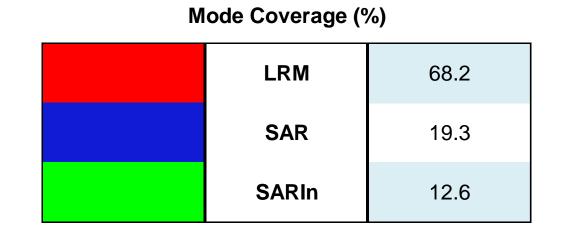
Mission / Instru	ment News
25-Jan-2023	None
26-Jan-2023	None
27-Jan-2023	Nothing planned

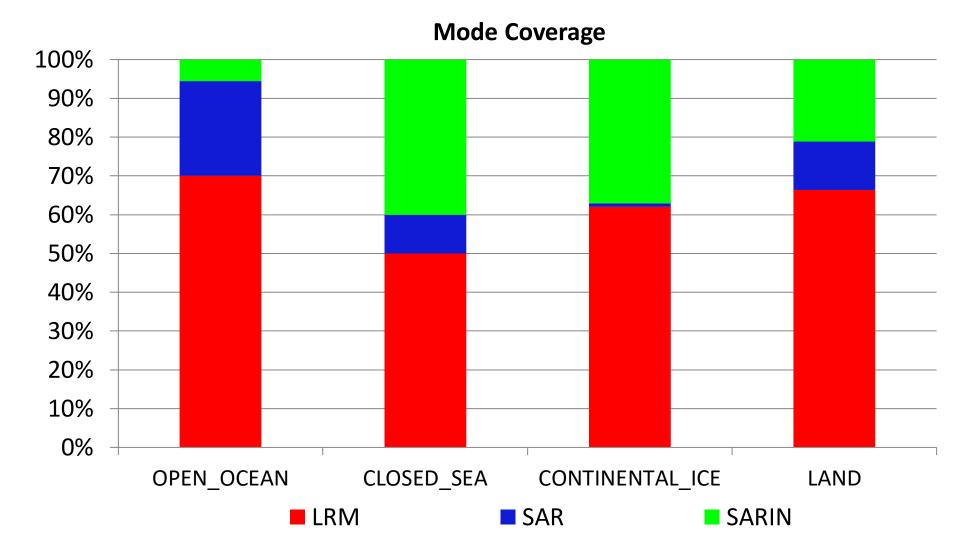
# 2. Global Coverage

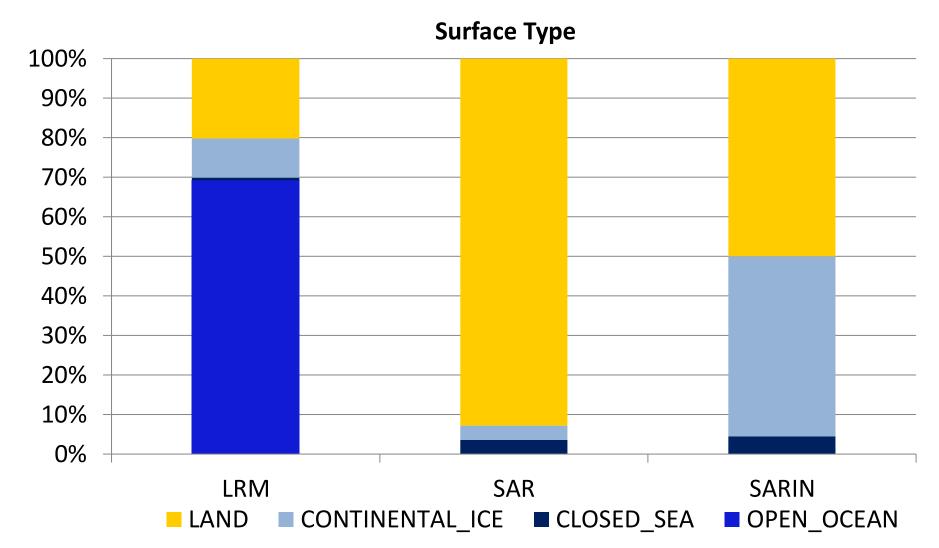












## 3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

## 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: Not 0!

### 4.3 Star Tracker Usage Check

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

Number of products with errors:

### **4.4 L1B Tracking Flags Check**

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

0

0

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: 141

So, SPET, SPET, MAY, 19, 2002/10/10/2001, JAVAN VINCOUND, Four Co. SPET, SPET, MAY, 2002/10/2002/10/2004 (2012) (2	Product	Test Failed	Description
CS_CFFL_SR_LRM_18_20020128700348_20020128700400_E001	CS_OFFL_SIR_LRM_1B_20230125T234607_20230126T001949_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LEN_IB_202201267003746_2020126700412_F001	CS_OFFL_SIR_LRM_1B_20230126T003301_20230126T003403_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LRM_18_202301287004157_202201287004214_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_202301287004755_2022012870040_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230128700415552_2022012870040_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230128700415552_20220128700416_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_202301287004175_20220128700416_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230128700477_20220128700416_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230128700477_202201287002400_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_202301287002407_202201287002400_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230128700458_202301287002400_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230128700458_202301287003400_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230128700458_202301287003400_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_202301287003406_20230128703400_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230128703400_E002128703400_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230128703400_E002128703400_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230128703400_E0024_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230128703400_E003128_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_202301287035105057_202301287035100_E001  Loss of echo  The tracking echo is mis	CS_OFFL_SIR_LRM_1B_20230126T003418_20230126T003500_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SR LRM 16 20230128700313 202301287010000_E0001	CS_OFFL_SIR_LRM_1B_20230126T003746_20230126T004120_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LRM_IR_20230125T090313_20230125T011011_E001  CS_OFFL_SR_LRM_IR_20230125T01133_20230125T011011_E001  CS_OFFL_SR_LRM_IR_20230125T01303_20230125T03105_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_IR_20230125T021013_20230125T022026_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_IR_20230125T021013_20230125T022026_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_IR_20230125T022037_20230125T022026_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_IR_20230125T022035_20230125T022026_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_IR_20230125T022035_20230125T022026_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_IR_20230125T022035_20230125T022026_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_IR_20230125T024035_20230125T022026_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_IR_20230125T030038_20200175T030129_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_IR_20230125T030038_20200175T030129_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_IR_20230125T030040_20001  CS_OFFL_SR_LRM_IR_20230125T03008_20230125T030000_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_IR_20230125T03006_20230125T034009_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_IR_20230125T034005_20230125T034002_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_IR_20230125T034003_20230125T03412_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_IR_20230125T034003_20230125T03412_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_IR_20230125T0310302_20230	CS_OFFL_SIR_LRM_1B_20230126T004137_20230126T004214_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LEM_IB_20230126T024932_20230126T02493_E001  CS_OFFL_SR_LEM_IB_20230126T02493_20230126T02493_E001  CS_OFFL_SR_LEM_IB_20230126T02493_20230126T02493_E001  CS_OFFL_SR_LEM_IB_20230126T02493_20230126T02403_E001  CS_OFFL_SR_LEM_IB_20230126T02493_20230126T02403_E001  CS_OFFL_SR_LEM_IB_20230126T02493_20230126T02403_E001  CS_OFFL_SR_LEM_IB_20230126T02493_20230126T02403_E001  CS_OFFL_SR_LEM_IB_20230126T02493_20230126T02403_E001  CS_OFFL_SR_LEM_IB_20230126T02493_20230126T02403_E001  CS_OFFL_SR_LEM_IB_20230126T02493_20230126T02403_E001  CS_OFFL_SR_LEM_IB_20230126T03493_20230126T02403_E001  CS_OFFL_SR_LEM_IB_20230126T03493_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T03493_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T034935_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T034935_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T034943_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T034943_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T034912_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T034912_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T034913_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T034913_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T034913_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T034913_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T034913_20230126T034913_E001  CS_OFFL_SR_LEM_IB_20230126T034913_20230126T034913_E001  CS_OFFL_SR_LEM_IB_20230126T034932_20230126T034913_E001  CS_OFFL_SR_LEM_IB_20230126T034903_20230126T034913_E001  CS_OFFL_SR_LEM_IB_20230126T034903_20230126T034913_E001  CS_OFFL_SR_LEM_IB_20230126T034903_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T034903_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T034903_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T034903_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T034903_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T034903_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T034903_20230126T034903_E001  CS_OFFL_SR_LEM_IB_20230126T035903_20230126T035903_E001  CS_OFFL_SR_LEM_IB_20230126T035903_20230126T035903_E00	CS_OFFL_SIR_LRM_1B_20230126T004755_20230126T005251_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 18 20230126T020130 20230126T020130 E001  CS. OFFL SIR_LRM.19.20230126T020137.02230126T020202_E001  Loss of exho The tracking exho is missing for one or more records  CS. OFFL SIR_LRM.19.20230126T022037 20230126T020206_E001  Loss of exho The tracking exho is missing for one or more records  CS. OFFL SIR_LRM.19.20230126T022037 20230126T022026_E001  Loss of exho The tracking exho is missing for one or more records  CS. OFFL SIR_LRM.19.20230126T022032 20230126T022208_E001  Loss of exho The tracking exho is missing for one or more records  CS. OFFL SIR_LRM.19.20230126T022033128 E001  Loss of exho The tracking exho is missing for one or more records  CS. OFFL SIR_LRM.19.20230126T022033128 E001  Loss of exho The tracking exho is missing for one or more records  CS. OFFL SIR_LRM.19.20230126T0330432 20230126T033128 E001  Loss of exho The tracking exho is missing for one or more records  CS. OFFL SIR_LRM.19.20230126T0330432 20230126T034002_E001  Loss of exho The tracking exho is missing for one or more records  CS. OFFL SIR_LRM.19.20230126T0330402 E00304002_E001  Loss of exho The tracking exho is missing for one or more records  CS. OFFL SIR_LRM.19.20230126T0330402 E00304002_E001  Loss of exho The tracking exho is missing for one or more records  CS. OFFL SIR_LRM.19.20230126T034020 E00304002_E001  Loss of exho The tracking exho is missing for one or more records  CS. OFFL SIR_LRM.19.20230126T034020 E00304002_E001  Loss of exho The tracking exho is missing for one or more records  CS. OFFL SIR_LRM.19.20230126T034022 20230126T034002_E001  Loss of exho The tracking exho is missing for one or more records  CS. OFFL SIR_LRM.19.20230126T034022 20230126T034002_E001  Loss of exho The tracking exho is missing for one or more records  CS. OFFL SIR_LRM.19.20230126T034023 20230126T0340202_E001  Loss of exho The tracking exho is missing for one or more records  CS. OFFL SIR_LRM.19.20230126T0340203_E0030126T0340203_E001  Loss of exho The tracking exho is missing for one or more records  CS. OFFL SIR_LRM.19.20230126T034	CS_OFFL_SIR_LRM_1B_20230126T005313_20230126T010040_E001	Loss of echo	The tracking echo is missing for one or more records
CS, OFFL_SR_LRM_18_20230126T0231143_E0230126T022026_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230126T022037_20230126T022026_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230126T022303_20230126T022202_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230126T022303_20230126T022302_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230126T033949_20230126T033128_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230126T033949_20230126T033128_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230126T033949_20230126T034002_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230126T033905_20230126T034002_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230126T034002_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230126T034002_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230126T034002_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230126T034002_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230126T034002_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230126T034002_E00126T034003_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230126T034002_E003023E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230126T030037_E00303_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230126T030037_E00303_E001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SR_LRM_18_20230126T030032_E00303_E001  Loss of echo Th	CS_OFFL_SIR_LRM_1B_20230126T011353_20230126T011911_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LRM_18_20230128T021919_20230126T022126_E001	CS_OFFL_SIR_LRM_1B_20230126T020130_20230126T020130_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM. 18. 20230128T022037. 20230128T02205. E001  CS OFFL SIR LRM. 18. 20230128T022105. 20230128T022206. E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM. 18. 20230128T0323048. 20230128T033192. E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM. 18. 20230128T033048. 20230128T033192. E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM. 18. 20230128T033041. 20230128T033192. E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM. 18. 20230128T033041. 20230128T034002. E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM. 18. 20230128T034005. 20230128T034002. E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM. 18. 20230128T034005. 20230128T034002. E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM. 18. 20230128T034005. 20230128T034102. E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM. 18. 20230128T034012. 20230128T034142. E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM. 18. 20230128T034025. 20230128T034128. E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM. 18. 20230128T03037. 20230128T03023. E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM. 18. 20230128T030037. 20230128T0301128. E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM. 18. 20230128T03037. 20230128T0301128. E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM. 18. 20230128T03037. 20230128T031128. E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM. 18. 20230128T031300. 20230128T031308. E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM. 18. 20230128T031308. 20230128T03180	CS_OFFL_SIR_LRM_1B_20230126T020137_20230126T020143_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20230126T022105 20230126T022226 E001	CS_OFFL_SIR_LRM_1B_20230126T021919_20230126T022026_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20230126T02308_20230126T033129_E001	CS_OFFL_SIR_LRM_1B_20230126T022037_20230126T022057_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20230126T030438_20230126T033984_20230126T033986_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20230126T033984_20230126T033986_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20230126T034008_20230126T034009_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20230126T034004_20230126T034009_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20230126T034004_20230126T034022_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20230126T034024_20230126T034074_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20230126T043525_20230126T043719_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20230126T045015_20230126T050023_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20230126T050025_20230126T050033_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20230126T050025_20230126T050033_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20230126T0500248_20230126T050142_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20230126T0500248_20230126T051503_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20230126T051508_20230126T051503_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20230126T051505_20230126T051506_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20230126T051505_20230126T051606_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20230126T0516161_20230126T051606_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20230126	CS_OFFL_SIR_LRM_1B_20230126T022105_20230126T022226_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20230128T033941_20230128T033958_E001	CS_OFFL_SIR_LRM_1B_20230126T022308_20230126T022802_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20230126T034011_20230126T034021_E001	CS_OFFL_SIR_LRM_1B_20230126T033958_20230126T034002_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20230126T034024_20230126T054031_E001	CS_OFFL_SIR_LRM_1B_20230126T034005_20230126T034009_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20230126T051506_20230126T051508_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051510_20230126T051537_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051558_20230126T051606_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051611_20230126T051620_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051622_20230126T051633_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051635_20230126T051656_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051658_20230126T051707_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051709_20230126T051772_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051729_20230126T051919_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051922_20230126T051935_E001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051938_20230126T051935_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  CS_OFFL_SIR_LRM_1B_20230126T051938_20230126T051940_E001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230126T050248_20230126T051128_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T051510_20230126T051537_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051558_20230126T051606_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051611_20230126T051620_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051622_20230126T051633_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051635_20230126T051656_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051658_20230126T051707_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051709_20230126T051727_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051729_20230126T051919_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051922_20230126T051935_E001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051938_20230126T051940_E001 Loss of echo The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051938_20230126T051940_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230126T051501_20230126T051503_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T051558_20230126T051606_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051611_20230126T051620_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051622_20230126T051633_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051635_20230126T051656_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051658_20230126T051707_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051709_20230126T051727_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051729_20230126T051919_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051922_20230126T051935_E001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051938_20230126T051940_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  CS_OFFL_SIR_LRM_1B_20230126T051938_20230126T051940_E001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230126T051506_20230126T051508_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T051611_20230126T051620_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051622_20230126T051633_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051635_20230126T051656_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051658_20230126T051707_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051709_20230126T051727_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051729_20230126T051919_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051922_20230126T051935_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051938_20230126T051940_E001  Loss of echo  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051938_20230126T051940_E001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230126T051510_20230126T051537_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T051622_20230126T051633_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051635_20230126T051656_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051658_20230126T051707_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051709_20230126T051727_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051729_20230126T051919_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051922_20230126T051935_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051938_20230126T051940_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  CS_OFFL_SIR_LRM_1B_20230126T051938_20230126T051940_E001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230126T051558_20230126T051606_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T051635_20230126T051656_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051658_20230126T051707_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051709_20230126T051727_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051729_20230126T051919_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051922_20230126T051935_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051922_20230126T051935_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  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230126T051611_20230126T051620_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T051658_20230126T051707_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  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  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  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  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230126T051622_20230126T051633_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T051709_20230126T051727_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  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  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  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230126T051635_20230126T051656_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T051729_20230126T051919_E001  CS_OFFL_SIR_LRM_1B_20230126T051922_20230126T051935_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  The tracking echo is missing for one or more records  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230126T051658_20230126T051707_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T051922_20230126T051935_E001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20230126T051938_20230126T051940_E001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230126T051709_20230126T051727_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T051938_20230126T051940_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230126T051729_20230126T051919_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20230126T051922_20230126T051935_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T051945_20230126T051957_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230126T051938_20230126T051940_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20230126T051945_20230126T051957_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T051959_20230126T052008_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230126T051959_20230126T052008_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T052014_20230126T052032_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230126T052014_20230126T052032_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T052034_20230126T052120_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20230126T052034_20230126T052120_E001	Loss of echo	The tracking echo is missing for one or more records

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CS_OFFL_SIR_LRM_1B_20230126T055240_20230126T055540_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T055646_20230126T060826_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T061409_20230126T061636_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T062316_20230126T063811_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T063951_20230126T065039_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T065041_20230126T065047_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T065050_20230126T065401_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T065403_20230126T065412_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T065414_20230126T065416_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T065420_20230126T065457_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T065542_20230126T065546_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T065549_20230126T065557_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T065559_20230126T065604_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T065606_20230126T065618_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T065621_20230126T065626_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T065632_20230126T070135_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T071644_20230126T071949_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T072517_20230126T073040_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T082553_20230126T082642_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T083253_20230126T083259_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T083253_20230126T083259_E001  CS_OFFL_SIR_LRM_1B_20230126T083304_20230126T083622_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T085355_20230126T092802_E001  CS_OFFL_SIR_LRM_1B_20230126T094121_20230126T100737_E001	Loss of echo	The tracking echo is missing for one or more records  The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T094121_20230126T100737_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T100740_20230126T100916_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T100920_20230126T100920_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T100922_20230126T100931_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T100936_20230126T101518_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T101518_20230126T101727_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T112050_20230126T113958_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T114001_20230126T114146_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T114211_20230126T114623_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T114625_20230126T114714_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T114850_20230126T115004_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T115714_20230126T115754_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T131243_20230126T131621_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T131643_20230126T132336_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T132520_20230126T132806_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T133055_20230126T133139_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T140321_20230126T142521_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T145341_20230126T150059_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T152817_20230126T152821_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T152824_20230126T152845_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T152847_20230126T152902_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T152904_20230126T152913_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T153213_20230126T160436_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T162232_20230126T163503_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T170646_20230126T170700_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T170704_20230126T170727_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T170730_20230126T170745_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T170748_20230126T170820_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T170824_20230126T170825_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T170827_20230126T170830_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T170837_20230126T170840_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T170842_20230126T170847_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T170849_20230126T170933_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T171229_20230126T171232_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T171236_20230126T171237_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T171243_20230126T171245_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T171247_20230126T171251_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T171256_20230126T171257_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T171300_20230126T171302_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T171407_20230126T172556_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T172800_20230126T174343_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T175942_20230126T181011_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T181117_20230126T181331_E001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20230126T181630_20230126T182731_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T182938_20230126T183119_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T184528_20230126T184828_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T184830_20230126T184851_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T184858_20230126T184900_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T184903_20230126T184919_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T184922_20230126T185048_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T185050_20230126T185054_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T185057_20230126T185911_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T193023_20230126T193131_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T193610_20230126T201007_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T202412_20230126T203000_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T203002_20230126T203020_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T203023_20230126T203026_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T203029_20230126T203051_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T203053_20230126T203114_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T203116_20230126T203155_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T203311_20230126T203404_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T203749_20230126T205901_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T211513_20230126T214346_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T214349_20230126T214400_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T214408_20230126T214414_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T214418_20230126T214420_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T214422_20230126T214430_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T220633_20230126T221049_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20230126T221155_20230126T221332_E001	Loss of echo	The tracking echo is missing for one or more records

#### 4.5 L1B Calibration Usage Check

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

Number of products with errors:

0

### 4.6 L1B Auxilary Data File Usage Check

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

Number of products with errors:

0

#### **4.7 L1B Auxiliary Correction Error Check**

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

Number of products with errors:

4

## 4.8 L1B Measurement Confidence Data Check

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20230126T185057_20230126T185911_E001	TECHO error TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

### 5. Level 2 Data Quality Check

## **5.1 L2 Product Format Check**

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

Number of products with errors:

## 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: Not 0!

## 5.3 L2 Auxiliary Data File Usage Check

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

**Number of products with errors:** 

0

#### **5.4 L2 Auxiliary Correction Error Check**

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

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

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

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

Number of products with errors:

**Test Failed** Description **Product** There is an error with the Snow Depth value, where one or more records CS\_OFFL\_SIR\_SAR\_2\_\_20230126T002122\_20230126T002203\_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 Snow depth model CS\_OFFL\_SIR\_SAR\_2\_\_20230126T003004\_20230126T003301\_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 CS\_OFFL\_SIR\_SAR\_2\_\_20230126T003500\_20230126T003539\_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\_\_20230126T003702\_20230126T003746\_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\_\_20230126T004413\_20230126T004446\_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\_\_20230126T010040\_20230126T010320\_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\_\_20230126T011150\_20230126T011227\_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\_\_20230126T012218\_20230126T012448\_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\_\_20230126T014722\_20230126T015008\_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 Snow depth model CS\_OFFL\_SIR\_SAR\_2\_\_20230126T015944\_20230126T020130\_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 CS\_OFFL\_SIR\_SAR\_2\_\_20230126T020904\_20230126T021045\_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 20230126T021106 20230126T021139 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 Snow depth model CS\_OFFL\_SIR\_SAR\_2\_\_20230126T021205\_20230126T021249\_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 CS OFFL SIR SAR 2 20230126T021544 20230126T021919 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\_\_20230126T022226\_20230126T022307\_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\_\_20230126T023617\_20230126T023804\_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 Snow depth model CS\_OFFL\_SIR\_SAR\_2\_\_20230126T024939\_20230126T025057\_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 CS\_OFFL\_SIR\_SAR\_2\_\_20230126T025121\_20230126T025212\_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\_\_20230126T030149\_20230126T030438\_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\_\_20230126T033129\_20230126T033308\_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\_\_20230126T033552\_20230126T033857\_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\_\_20230126T033901\_20230126T033904\_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\_\_20230126T033908\_20230126T033923\_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\_\_20230126T033928\_20230126T033941\_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\_\_20230126T035001\_20230126T035036\_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\_\_20230126T035146\_20230126T035328\_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\_\_20230126T040129\_20230126T040145\_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 Snow depth model CS\_OFFL\_SIR\_SAR\_2\_\_20230126T042551\_20230126T043251\_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 CS\_OFFL\_SIR\_SAR\_2\_\_20230126T044344\_20230126T044349\_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 20230126T044922 20230126T045015 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\_\_20230126T050142\_20230126T050248\_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\_\_20230126T051128\_20230126T051310\_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\_\_20230126T051537\_20230126T051540\_E001 Snow depth model falls outside of the extent of the current snow depth model Dry tropospheric corr, Wet tropospheric There is an error with the Dry tropospheric corrrection, Wet tropospheric corr, Inverse barometric corr, Dynamic correction, Inverse barometric correction, Dynamic atm correction, Model Ionospheric correction, Solid Earth tide, Geocentral polar tide, and Snow atm corr, Model Ionospheric corr, Solid CS\_OFFL\_SIR\_SAR\_2\_\_20230126T051542\_20230126T051545\_E001 Earth tide, Geocentr. polar tide, Snow depth model, where one or more records falls outside of the extent of the depth model current snow depth model There is an error with the Snow Depth value, where one or more records CS\_OFFL\_SIR\_SAR\_2\_\_20230126T051548\_20230126T051558\_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\_\_20230126T054850\_20230126T055239\_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\_\_20230126T062307\_20230126T062316\_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 20230126T063811 20230126T063951 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 Snow depth model CS\_OFFL\_SIR\_SAR\_2\_\_20230126T065509\_20230126T065523\_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 CS\_OFFL\_SIR\_SAR\_2\_\_20230126T065525\_20230126T065531\_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 CS\_OFFL\_SIR\_SAR\_2\_\_20230126T065533\_20230126T065540\_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_220230126T070943_20230126T071049_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230126T071319_20230126T071403_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_220230126T071949_20230126T072005_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_220230126T074914_20230126T075016_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_220230126T080249_20230126T080255_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230126T082517_20230126T082553_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_220230126T082642_20230126T082718_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_220230126T092802_20230126T092952_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230126T094057_20230126T094121_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_220230126T101727_20230126T101903_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_220230126T103830_20230126T103955_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_220230126T110650_20230126T110929_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_220230126T112038_20230126T112050_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230126T114146_20230126T114211_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_220230126T114714_20230126T114847_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230126T114849_20230126T114849_E001	Dry tropospheric corr, Wet tropospheric corr, Inverse barometric corr, Dynamic atm corr, Model Ionospheric corr, Solid Earth tide, Geocentr. polar tide, Snow depth model	There is an error with the Dry tropospheric correction, Wet tropospheric correction, Inverse barometric correction, Dynamic atm correction, Model lonospheric correction, Solid Earth tide, Geocentral polar tide, and Snow depth model, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230126T115004_20230126T115142_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_220230126T115501_20230126T115512_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_220230126T115636_20230126T115714_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230126T115908_20230126T120000_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_220230126T121013_20230126T121014_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_220230126T121018_20230126T121020_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230126T121023_20230126T121030_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_220230126T124640_20230126T124917_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_220230126T125855_20230126T125942_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_220230126T130227_20230126T130427_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_220230126T130729_20230126T131243_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230126T132806_20230126T133002_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_220230126T133215_20230126T133356_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_220230126T133739_20230126T135145_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_220230126T140036_20230126T140321_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230126T142521_20230126T142650_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_220230126T143232_20230126T143239_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_220230126T143810_20230126T143853_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_220230126T145154_20230126T145341_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_220230126T150616_20230126T151338_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_220230126T151338_20230126T151426_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
		falls outside of the extent of the current snow depth model  There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230126T151543_20230126T151619_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_220230126T152913_20230126T153213_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_220230126T160436_20230126T160442_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220230126T161131_20230126T161137_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_220230126T161144_20230126T161150_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_220230126T161615_20230126T162232_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_220230126T163503_20230126T163516_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_220230126T170934_20230126T170942_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220230126T170946_20230126T170949_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_220230126T170952_20230126T170957_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_220230126T170959_20230126T171101_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_220230126T171104_20230126T171118_E001	Snow depth model	falls outside of the extent of the current snow depth model

CS_OFFL_SIR_SAR_220230126T171123_20230126T171125_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_220230126T171131_20230126T171139_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_220230126T171140_20230126T171226_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_220230126T172556_20230126T172800_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_220230126T174343_20230126T174348_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_220230126T175029_20230126T175036_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_220230126T175043_20230126T175049_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_220230126T175452_20230126T175942_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_220230126T181418_20230126T181424_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_220230126T182731_20230126T182816_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_220230126T182843_20230126T182938_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_220230126T183119_20230126T183243_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_220230126T183538_20230126T183625_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_220230126T185911_20230126T190758_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_220230126T192230_20230126T192241_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_220230126T192942_20230126T192948_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_220230126T193602_20230126T193610_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_220230126T201007_20230126T201203_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_220230126T203724_20230126T203742_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_220230126T205901_20230126T205933_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_220230126T210233_20230126T210256_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_220230126T211432_20230126T211513_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_220230126T224133_20230126T224144_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_220230126T225325_20230126T225542_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_220230126T234058_20230126T234218_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_220230126T234303_20230126T234600_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_220230126T234948_20230126T235138_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_220230126T235140_20230126T235145_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_220230126T235249_20230126T235411_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_220230126T011911_20230126T012218_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230126T025812_20230126T030149_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230126T043251_20230126T043525_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230126T060826_20230126T061409_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230126T110929_20230126T111322_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230126T124917_20230126T125230_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230126T142650_20230126T143108_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230126T175231_20230126T175452_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220230126T193131_20230126T193602_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records

### **5.5 L2 Measurement Quality Flag Check**

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

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

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

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220230125T234607_20230126T001949_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_220230126T003301_20230126T003403_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_220230126T004137_20230126T004214_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_220230126T010320_20230126T011150_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_220230126T012448_20230126T014722_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_220230126T015008_20230126T015944_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_220230126T022105_20230126T022226_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_220230126T023134_20230126T023617_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_220230126T023804_20230126T024939_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_220230126T030438_20230126T033129_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_220230126T035432_20230126T040129_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_220230126T040145_20230126T042551_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_220230126T044349_20230126T044922_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_220230126T045015_20230126T050023_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_220230126T050037_20230126T050142_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_220230126T050248_20230126T051128_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_220230126T053445_20230126T054850_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_220230126T055646_20230126T060826_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_220230126T062316_20230126T063811_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_220230126T063951_20230126T065039_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_220230126T071403_20230126T071522_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230126T071403_20230126T071522_E001 CS_OFFL_SIR_LRM_220230126T071644_20230126T071949_E001	Surface Model Unavailable  Height Error (Retracker 2), Backscatter Error (Retracker 2)	No DEM or Slope Model was used for the location of one or more records  There is a height and backscatter error for Retracker 2 for one or more records
	Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220230126T071644_20230126T071949_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220230126T071644_20230126T071949_E001 CS_OFFL_SIR_LRM_220230126T072005_20230126T072354_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for
CS_OFFL_SIR_LRM_220230126T071644_20230126T071949_E001  CS_OFFL_SIR_LRM_220230126T072005_20230126T072354_E001  CS_OFFL_SIR_LRM_220230126T072517_20230126T073040_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220230126T071644_20230126T071949_E001  CS_OFFL_SIR_LRM_220230126T072005_20230126T072354_E001  CS_OFFL_SIR_LRM_220230126T072517_20230126T073040_E001  CS_OFFL_SIR_LRM_220230126T073215_20230126T074914_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220230126T071644_20230126T071949_E001  CS_OFFL_SIR_LRM_220230126T072005_20230126T072354_E001  CS_OFFL_SIR_LRM_220230126T072517_20230126T073040_E001  CS_OFFL_SIR_LRM_220230126T073215_20230126T074914_E001  CS_OFFL_SIR_LRM_220230126T080255_20230126T082517_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 2
CS_OFFL_SIR_LRM_220230126T071644_20230126T071949_E001  CS_OFFL_SIR_LRM_220230126T072005_20230126T072354_E001  CS_OFFL_SIR_LRM_220230126T072517_20230126T073040_E001  CS_OFFL_SIR_LRM_220230126T073215_20230126T074914_E001  CS_OFFL_SIR_LRM_220230126T080255_20230126T082517_E001  CS_OFFL_SIR_LRM_220230126T083806_20230126T083909_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220230126T071644_20230126T071949_E001  CS_OFFL_SIR_LRM_2_20230126T072005_20230126T072354_E001  CS_OFFL_SIR_LRM_2_20230126T072517_20230126T073040_E001  CS_OFFL_SIR_LRM_2_20230126T073215_20230126T074914_E001  CS_OFFL_SIR_LRM_2_20230126T080255_20230126T082517_E001  CS_OFFL_SIR_LRM_2_20230126T083806_20230126T083909_E001  CS_OFFL_SIR_LRM_2_20230126T085355_20230126T092802_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220230126T071644_20230126T071949_E001  CS_OFFL_SIR_LRM_220230126T072005_20230126T072354_E001  CS_OFFL_SIR_LRM_220230126T072517_20230126T073040_E001  CS_OFFL_SIR_LRM_220230126T073215_20230126T074914_E001  CS_OFFL_SIR_LRM_220230126T080255_20230126T082517_E001  CS_OFFL_SIR_LRM_220230126T083806_20230126T083909_E001  CS_OFFL_SIR_LRM_220230126T085355_20230126T092802_E001  CS_OFFL_SIR_LRM_220230126T085355_20230126T092802_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_20230126T071644_20230126T071949_E001  CS_OFFL_SIR_LRM_2_20230126T072005_20230126T072354_E001  CS_OFFL_SIR_LRM_2_20230126T072517_20230126T073040_E001  CS_OFFL_SIR_LRM_2_20230126T073215_20230126T074914_E001  CS_OFFL_SIR_LRM_2_20230126T080255_20230126T082517_E001  CS_OFFL_SIR_LRM_2_20230126T083806_20230126T083909_E001  CS_OFFL_SIR_LRM_2_20230126T085355_20230126T092802_E001  CS_OFFL_SIR_LRM_2_20230126T094121_20230126T100737_E001  CS_OFFL_SIR_LRM_2_20230126T094121_20230126T100737_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3)  Height Error (Retracker 2), Height Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20230126T071644_20230126T071949_E001  CS_OFFL_SIR_LRM_2_20230126T072005_20230126T072354_E001  CS_OFFL_SIR_LRM_2_20230126T072517_20230126T073040_E001  CS_OFFL_SIR_LRM_2_20230126T073215_20230126T074914_E001  CS_OFFL_SIR_LRM_2_20230126T080255_20230126T082517_E001  CS_OFFL_SIR_LRM_2_20230126T083806_20230126T083909_E001  CS_OFFL_SIR_LRM_2_20230126T085355_20230126T092802_E001  CS_OFFL_SIR_LRM_2_20230126T094121_20230126T100737_E001  CS_OFFL_SIR_LRM_2_20230126T094121_20230126T103830_E001  CS_OFFL_SIR_LRM_2_20230126T103555_20230126T103830_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20230126T071644_20230126T071949_E001  CS_OFFL_SIR_LRM_2_20230126T072005_20230126T072354_E001  CS_OFFL_SIR_LRM_2_20230126T072517_20230126T073040_E001  CS_OFFL_SIR_LRM_2_20230126T073215_20230126T074914_E001  CS_OFFL_SIR_LRM_2_20230126T080255_20230126T082517_E001  CS_OFFL_SIR_LRM_2_20230126T083806_20230126T083909_E001  CS_OFFL_SIR_LRM_2_20230126T085355_20230126T092802_E001  CS_OFFL_SIR_LRM_2_20230126T094121_20230126T100737_E001  CS_OFFL_SIR_LRM_2_20230126T103555_20230126T103830_E001  CS_OFFL_SIR_LRM_2_20230126T103955_20230126T110650_E001  CS_OFFL_SIR_LRM_2_20230126T112050_20230126T113958_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)	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 for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and 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 for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20230126T071644_20230126T071949_E001  CS_OFFL_SIR_LRM_2_20230126T072005_20230126T072354_E001  CS_OFFL_SIR_LRM_2_20230126T072517_20230126T073040_E001  CS_OFFL_SIR_LRM_2_20230126T073215_20230126T074914_E001  CS_OFFL_SIR_LRM_2_20230126T080255_20230126T082517_E001  CS_OFFL_SIR_LRM_2_20230126T083806_20230126T083909_E001  CS_OFFL_SIR_LRM_2_20230126T085355_20230126T092802_E001  CS_OFFL_SIR_LRM_2_20230126T094121_20230126T100737_E001  CS_OFFL_SIR_LRM_2_20230126T103555_20230126T103830_E001  CS_OFFL_SIR_LRM_2_20230126T103955_20230126T110650_E001  CS_OFFL_SIR_LRM_2_20230126T1103955_20230126T1113958_E001  CS_OFFL_SIR_LRM_2_20230126T1112050_20230126T1114623_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2)	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 for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and 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 for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  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_220230126T125942_20230126T130227_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_220230126T132520_20230126T132806_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_220230126T135145_20230126T140036_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_220230126T140321_20230126T142521_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_220230126T143853_20230126T145154_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_220230126T145341_20230126T150059_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_220230126T150146_20230126T150616_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_220230126T151426_20230126T151438_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_220230126T153213_20230126T160436_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_220230126T162232_20230126T163503_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_220230126T163516_20230126T165247_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_220230126T170730_20230126T170745_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230126T171407_20230126T172556_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_220230126T172800_20230126T174343_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_220230126T175942_20230126T181011_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_220230126T181630_20230126T182731_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_220230126T182938_20230126T183119_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230126T185057_20230126T185911_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_220230126T190758_20230126T192230_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_220230126T193610_20230126T201007_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_220230126T203029_20230126T203051_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220230126T203749_20230126T205901_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_220230126T211513_20230126T214346_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_220230126T221436_20230126T224133_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_220230126T235411_20230127T000141_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_SAR_220230126T002339_20230126T003004_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T003004_20230126T003301_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T003702_20230126T003746_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T004413_20230126T004446_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T010040_20230126T010320_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T011150_20230126T011227_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T012218_20230126T012448_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T014722_20230126T015008_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T015944_20230126T020130_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220230126T020151_20230126T020904_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T020904_20230126T021045_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T021106_20230126T021139_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T021205_20230126T021249_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T021544_20230126T021919_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T022226_20230126T022307_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T023617_20230126T023804_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T024939_20230126T025057_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T025121_20230126T025212_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T030149_20230126T030438_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T033129_20230126T033308_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T033552_20230126T033857_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T034142_20230126T034302_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T034318_20230126T034802_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T034802_20230126T034925_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T035001_20230126T035036_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T035146_20230126T035328_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T040129_20230126T040145_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T042551_20230126T043251_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T044344_20230126T044349_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T044922_20230126T045015_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T050142_20230126T050248_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T051128_20230126T051310_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T052120_20230126T052643_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T052643_20230126T052800_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T054850_20230126T055239_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T062307_20230126T062316_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T063811_20230126T063951_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T070135_20230126T070234_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T070324_20230126T070407_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T070407_20230126T070733_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T070943_20230126T071049_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T071319_20230126T071403_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T071949_20230126T072005_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T074914_20230126T075016_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220230126T080249_20230126T080255_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T082517_20230126T082553_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T083934_20230126T084647_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T092802_20230126T092952_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T094057_20230126T094121_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T101727_20230126T101903_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T101921_20230126T102131_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T102143_20230126T102717_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T103830_20230126T103955_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T110650_20230126T110929_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T112038_20230126T112050_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T114714_20230126T114847_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T115004_20230126T115142_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T115501_20230126T115512_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T115908_20230126T120000_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T120056_20230126T120846_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T124640_20230126T124917_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T125855_20230126T125942_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T130227_20230126T130427_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T130729_20230126T131243_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T132806_20230126T133002_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T133215_20230126T133356_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T133739_20230126T135145_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T140036_20230126T140321_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T142521_20230126T142650_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T143810_20230126T143853_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T145154_20230126T145341_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T150616_20230126T151338_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T151338_20230126T151426_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T151543_20230126T151619_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T152026_20230126T152734_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T152913_20230126T153213_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T160436_20230126T160442_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T161615_20230126T162232_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T163503_20230126T163516_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220230126T165922_20230126T170503_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T170959_20230126T171101_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T171104_20230126T171118_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T172556_20230126T172800_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T174343_20230126T174348_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T175452_20230126T175942_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T182731_20230126T182816_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T182843_20230126T182938_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T183119_20230126T183243_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T183538_20230126T183625_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T183837_20230126T184528_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T185911_20230126T190758_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T192230_20230126T192241_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T193602_20230126T193610_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T201007_20230126T201203_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T201701_20230126T202217_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T202250_20230126T202412_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T205901_20230126T205933_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T210233_20230126T210256_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T211432_20230126T211513_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T215455_20230126T220518_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T224133_20230126T224144_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T225325_20230126T225542_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T233300_20230126T234033_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T234058_20230126T234218_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T234303_20230126T234600_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T234948_20230126T235138_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220230126T235249_20230126T235411_E001	Backscatter Error (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_220230126T002206_20230126T002339_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_220230126T003403_20230126T003418_E001	Backscatter Error (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_220230126T003539_20230126T003702_E001	Backscatter Error (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_220230126T004214_20230126T004413_E001	Backscatter Error (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_220230126T011227_20230126T011353_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error  Backscatter Error (Retracker 2)	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_220230126T011911_20230126T012218_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_220230126T021045_20230126T021106_E001	ITTACK ANDIE ETTOT SIITTACE MODEL	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230126T022802_20230126T023134_E001	Backscatter Error (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_220230126T025212_20230126T025507_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_220230126T025812_20230126T030149_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_220230126T034302_20230126T034318_E001	mack anoie Error Sunace model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230126T034925_20230126T035001_E001	Backscatter Error (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_220230126T035036_20230126T035146_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error  Realization From (Retracker 2)	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_220230126T035349_20230126T035432_E001	unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230126T043251_20230126T043525_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_220230126T043719_20230126T043954_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230126T044202_20230126T044344_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_220230126T051310_20230126T051501_E001	Backscatter Error (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_220230126T052800_20230126T052921_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_220230126T053328_20230126T053445_E001	track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230126T060826_20230126T061409_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_220230126T061636_20230126T061703_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230126T062127_20230126T062307_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_220230126T070234_20230126T070324_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_220230126T070733_20230126T070943_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error Backscatter Error (Retracker 2),	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_220230126T071049_20230126T071319_E001	Backscatter Error (Retracker 3), SARIn X-track Angle Error, Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230126T071522_20230126T071644_E001		An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220230126T072354_20230126T072516_E001	Backscatter Error (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_220230126T073040_20230126T073215_E001	Backscatter Error (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_220230126T075016_20230126T075154_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_220230126T080041_20230126T080249_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_220230126T082718_20230126T083026_E001		An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220230126T083121_20230126T083253_E001	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_220230126T084647_20230126T085133_E001	unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230126T092952_20230126T093119_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_220230126T093302_20230126T093406_E001	_	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230126T093834_20230126T094057_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_220230126T101903_20230126T101921_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_220230126T102131_20230126T102143_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230126T102717_20230126T103555_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_220230126T110929_20230126T111322_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_220230126T111913_20230126T112038_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_220230126T115754_20230126T115820_E001	Backscatter Error (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_220230126T120000_20230126T120056_E001	unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230126T120846_20230126T120945_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_220230126T121030_20230126T121146_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_220230126T124917_20230126T125230_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_220230126T125745_20230126T125855_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_220230126T133002_20230126T133055_E001		An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220230126T133356_20230126T133507_E001	Backscatter Error (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_220230126T142650_20230126T143108_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_220230126T143647_20230126T143810_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_220230126T151438_20230126T151525_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_220230126T151619_20230126T152026_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_220230126T160442_20230126T160607_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_220230126T161428_20230126T161615_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_220230126T165247_20230126T165404_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_220230126T165612_20230126T165614_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220230126T165829_20230126T165921_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_220230126T170503_20230126T170552_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220230126T171306_20230126T171407_E001	Backscatter Error (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_220230126T174348_20230126T174530_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_220230126T175231_20230126T175452_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_220230126T183243_20230126T183538_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_220230126T183625_20230126T183837_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_220230126T192241_20230126T192448_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_220230126T193131_20230126T193602_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_220230126T201308_20230126T201701_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_220230126T202217_20230126T202250_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_220230126T203155_20230126T203311_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
US UFFL SIR SIN / /U/3U1/01/U34U0 /U/3U1/01/U3//4 FUU1	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
	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_220230126T210915_20230126T210921_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
	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_220230126T214433_20230126T215455_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_220230126T224144_20230126T224314_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_220230126T225149_20230126T225325_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
	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
1.5 OFFE SIR SIN / /U/301/61/33155 /U/301/61/33300 FU01	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS OFFI SID SIN 2 20230126T234033 20230126T234058 F001	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