C	CRYOSAT

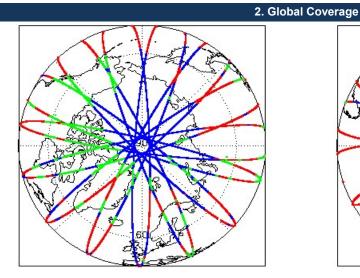
QA4EO Daily Report for OFFLINE data:

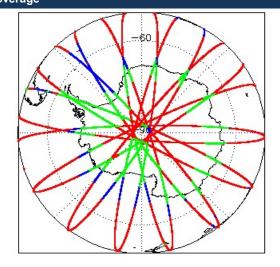
<u>03/04/2022</u>

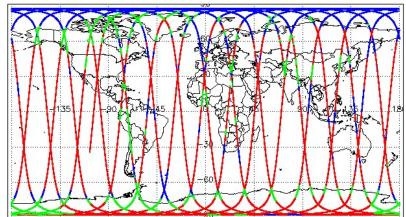
IDEAS-QAHEO

		Check	Status
Report Production Date:	05-May-2022	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CrueSet les Dressess	Server check: calval-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Product Software Check	Nominal
Dete Heed	L 4D and L2 OFFLINE Data	Product Format Check	Nominal
Data Used: L1B and L2 OFFLINE Data	Product Header Analysis	Nominal	
		Star Tracker Usage Check	Nominal
		L1B Tracking Flag Check	See Section 4.4
		L1B Calibration Usage Check	See Section 4.5
		L1B & L2 Auxiliary Data File Usage Check	See Section 4.6, 5.3 and 6.3
		L1B & L2 Auxiliary Correction Error Check	See Section 5.4
		L1B & L2 Measurement Confidence Data Check	See Section 4.8 and 5.5
		QCC Errors/ Warnings	See Section 6.1, 6.2 and 6.3
		<u> </u>	
lission / Instrument News			
02-Apr-2022 None			
03-Apr-2022 None			

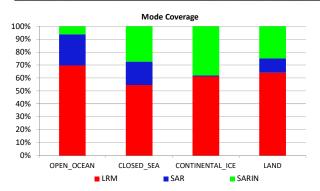
04-Apr-2022 Nothing planned

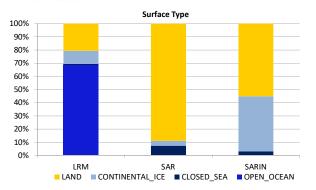












3. Instrument Configuration

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. 0

Number of products with errors:

4.3 Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing. 0

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

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

126

Number of products with errors:

E.S. OFF, BRI, LMA, 19, 20220407700224, 20220403700227, E001 Loss of elso The tracking orbits in missing for eas or more records CS, OFF, BRI, LMA, 19, 20220407700227, 2020403700227, E001 Loss of elso The tracking orbits in missing for eas or more records CS, OFF, BRI, LMA, 19, 2022040770027, 2020403700275, E001 Loss of elso The tracking orbits in missing for eas or more records CS, OFF, BRI, LMA, 19, 20220407701322, 202204037103148, E001 Loss of elso The tracking orbits in missing for eas or more records CS, OFF, BRI, LMA, 19, 20220407711322, 202204037101438, E001 Loss of elso The tracking orbits in missing for eas or more records CS, OFF, BRI, LMA, 19, 20220407711432, 20200437101439, E001 Loss of elso The tracking orbits inmissing for eas or more records CS, OFF, BRI, LMA, 19, 202204077101422, 202004371014125, E001 Loss of elso The tracking orbits inmissing for eas or more records CS, OFF, BRI, LMA, 19, 202204077101422, 202040371014125, E001 Loss of elso The tracking orbits inmissing for eas or more records CS, OFF, BRI, LMA, 19, 202204077102027, 2020403710267, E001 Loss of elso The tracking orbits inmissing for eas or more records CS, OFF, BRI, LMA, 19, 202204077102027, 2020403710267, E001 Loss of elso The tracking orbits inmissing for eas or more records CS, OFF, BRI, LMA, 19, 202204077102027, 2020	Product	Test Failed	Description
GS, OFFL, SR, LRU, 19, 2020403700372, 2022400700590 _ L001 Loss of exho The tacking echo is missing for one or more records GS, OFFL, SR, LRU, 19, 2020403701392, 2022400701349, E001 Loss of exho The tacking echo is missing for one or more records GS, OFFL, SR, LRU, 19, 2020403701349, 2022400701349, E001 Loss of exho The tacking echo is missing for one or more records GS, OFFL, SR, LRU, 19, 202040370149, 202040070149, 202040070149, E001 Loss of exho The tacking echo is missing for one or more records GS, OFFL, SR, LRU, 19, 202040370149, 202040070149, 202040070149, E001 Loss of exho The tacking echo is missing for one or more records GS, OFFL, SR, LRU, 19, 202040370149, 202040070149, 202040070149, E001 Loss of exho The tacking echo is missing for one or more records GS, OFFL, SR, LRU, 19, 2020403700149, 2020400700140, E001 Loss of exho The tacking echo is missing for one or more records GS, OFFL, SR, LRU, 19, 2020403700149, 2020400700140, E001 Loss of exho The tacking echo is missing for one or more records GS, OFFL, SR, LRU, 19, 2020403700149, 2020400700140, E001 Loss of exho The tacking echo is missing for one or more records GS, OFFL, SR, LRU, 19, 20204037001429, 20204017001429, E001 Loss of exho The tacking echo is missing for one or more records GS, OFFL, SR, LRU, 19, 20204037001429, 2020401701429, E001 Loss of exho The	CS_OFFL_SIR_LRM_1B_20220403T000234_20220403T000720_E001	Loss of echo	The tracking echo is missing for one or more records
GS_OFFL_SR_LBM_1B_02220403703912_0220407013938_E001 Loss of ebb The tracking exb- is missing for one or more reacrist GS_OFFL_SR_LBM_1B_022204037011515_0220403701419_E001 Loss of exb The tracking exb- is missing for one or more reacrist GS_OFFL_SR_LBM_1B_022204037014162_0220403701419_E001 Loss of exb The tracking exb- is missing for one or more reacrist GS_OFFL_SR_LBM_1B_022204037014163_0220403701419_E001 Loss of exb The tracking exb- is missing for one or more reacrist GS_OFFL_SR_LBM_1B_022204037014163_0220403701419_E001 Loss of exb The tracking exb- is missing for one or more reacrist GS_OFFL_SR_LBM_1B_02204037014163_0220403701417_E001 Loss of exb The tracking exb- is missing for one or more reacrist GS_OFFL_SR_LBM_1B_022040370248_02204037037018_E001 Loss of exb The tracking exb- is missing for one or more reacrist GS_OFFL_SR_LBM_1B_022040370248_02204037037018_E001 Loss of exb The tracking exb- is missing for one or more reacrist GS_OFFL_SR_LBM_1B_022040370227_02204070370228_E001 Loss of exb The tracking exb- is missing for one or more reacrist GS_OFFL_SR_LBM_1B_0220403703724_02204070370328_E001 Loss of exb The tracking exb- is missing for one or more reacrist GS_OFFL_SR_LBM_1B_02204037037047_02200017037032_E001 Loss of exb The tracking exb- is missing for one or more reacrist GS_OFFL_SR_LBM_1B_0220403704704_022040370470470_E001 Loss of exb The tracking exb- is missing for one or more	CS_OFFL_SIR_LRM_1B_20220403T002218_20220403T002257_E001	Loss of echo	The tracking echo is missing for one or more records
GS_OFFL_SIR_LEM_18_2022403101151_202204031013319_E001 Loss of exho The tracking exho is missing for one or more records GS_OFFL_SIR_LEM_18_20224040101432_20224040101449_E001 Loss of exho The tracking exho is missing for one or more records GS_OFFL_SIR_LEM_18_20224040111449_20224040101449_E001 Loss of exho The tracking exho is missing for one or more records GS_OFFL_SIR_LEM_18_20224040111449_20224040101449_E001 Loss of exho The tracking exho is missing for one or more records GS_OFFL_SIR_LEM_18_20224040111449_20224040101449_E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_18_20224040110449_20224040101449_E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_18_202240401001449_20224040100149_E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_18_202240401001449_20224040100149_E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_18_202240401010222_2024040100222_E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_18_202240401010212_20220401000229_E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_18_20224040101492_2024010000005_E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LEM_18_2022404011492_2024010000005_E001 Loss of exho The tracking exho is m	CS_OFFL_SIR_LRM_1B_20220403T002421_20220403T002725_E001	Loss of echo	The tracking echo is missing for one or more records
GO, OFFL, GR, LRM, TB, 202204037013222, 202204037013411, E001 Loss of exho The tracking exho is missing for one or more records GS, OFFL, GR, LRM, TB, 202204037014421, 202204037014423, E001 Loss of exho The tracking exho is missing for one or more records GS, OFFL, GR, LRM, TB, 202204037014430, 202204037014413, E001 Loss of exho The tracking exho is missing for one or more records GS, OFFL, GR, LRM, TB, 202204037014430, 202204037014412, 202204037014412, 202204037014412, 202204037014412, 202204037014412, 202204037014412, 202204037014412, 202204037014412, 202204037014412, 202204037014412, 202204037014412, 202204037014412, 202204037014412, 202204037014412, 202204037014412, 2022040370132112, E001 Loss of exho The tracking exho is missing for one or more records GS, OFFL, GR, LRM, TB, 2022040370130241, 202010437032216, E001 Loss of exho The tracking exho is missing for one or more records CS, OFFL, GR, LRM, TB, 202204037032227, 20220403703225, E001 Loss of exho The tracking exho is missing for one or more records CS, OFFL, GR, LRM, TB, 20220403703227, 20220403703225, E001 Loss of exho The tracking exho is missing for one or more records CS, OFFL, GR, LRM, TB, 20220403703227, 20220403703272, E001 Loss of exho The tracking exho is missing for one or more records CS, OFFL, GR, LRM, TB, 202204037030420, 202204037040420, 20204037040420, 20204037040420, 20204037040420, 20204037040420, 20204037040420, 20204037044412, 20220403704442, 20220403704442, 20220403704442, 20220403704442, 20220403704444, 20220403704444, 20220403704444, 20220403704444, 202204037044444, 202204037044444, 202204	CS_OFFL_SIR_LRM_1B_20220403T003012_20220403T005901_E001	Loss of echo	The tracking echo is missing for one or more records
GS_OFFL_SR_LEM_16_20220403701442_202204037014128_E01 Loss of exho The tracking exho is missing for one or more records GS_OFFL_SR_LEM_16_202204037014183_202204037014128_E01 Loss of exho The tracking exho is missing for one or more records GS_OFFL_SR_LEM_16_202204037014182_202204037014128_E01 Loss of exho The tracking exho is missing for one or more records GS_OFFL_SR_LEM_16_202204037014182_202204037014172_E01 Loss of exho The tracking exho is missing for one or more records GS_OFFL_SR_LEM_16_202204037030786_20220403703446_E01 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LEM_16_202204037030786_202202203703222_20220403703426_E01 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LEM_16_20220403703222_20220403703228_E010 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LEM_16_20220403703222_202204037032272_E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LEM_16_202204037034382_202204037034732_20201 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LEM_18_202204037034382_202204037034732_20021 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LEM_18_202204037034828_202204037034724_202204037034725_E01 Loss of exho The tracking exho is missing for one or more r	CS_OFFL_SIR_LRM_1B_20220403T011151_20220403T013319_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LEM_18_2022043T014051_2022043T014129_E001 Loss of exho The tracking exh to insisting for one or more records CS_OFFL_SR_LEM_18_2022043T014139_202043T014139_E001 Loss of exho The tracking exh to insisting for one or more records CS_OFFL_SR_LEM_18_2022043T014139_202043T014172_E001 Loss of exho The tracking exh to insisting for one or more records CS_OFFL_SR_LEM_18_2022043T03014_2_0220403T03042_E001 Loss of exho The tracking exh to insisting for one or more records CS_OFFL_SR_LEM_18_20220403T03014_2_0220403T03142_E001 Loss of exho The tracking exh to insisting for one or more records CS_OFFL_SR_LEM_18_20220403T03212_2020403T032255_E001 Loss of exho The tracking exh to insisting for one or more records CS_OFFL_SR_LEM_18_20220403T03225_2020403T032255_E001 Loss of exho The tracking exh to insisting for one or more records CS_OFFL_SR_LEM_18_20220403T03225_2020403T032255_E001 Loss of exho The tracking exh to insisting for one or more records CS_OFFL_SR_LEM_18_20220403T03242_20220403T032456_E001 Loss of exho The tracking exh to insisting for one or more records CS_OFFL_SR_LEM_18_20220403T034319_20220403T06345_E001 Loss of exho The tracking exh to insisting for one or more records CS_OFFL_SR_LEM_18_20220403T06345_20220403T063695_E001 Loss of exho The tracking exh to insissing for one or more records	CS_OFFL_SIR_LRM_1B_20220403T013322_20220403T013419_E001	Loss of echo	The tracking echo is missing for one or more records
GS_OFFL_SR_LRM_16_20220403T014136_20220403T014135_E001Less of exhoThe tracking exho is missing for one or more recordsGS_OFFL_SR_LRM_16_20220403T014145_20220403T014155_E001Less of exhoThe tracking exho is missing for one or more recordsGS_OFFL_SR_LRM_16_20220403T001445_20220403T01445_20220403T01445_E001Less of exhoThe tracking exho is missing for one or more recordsGS_OFFL_SR_LRM_16_20220403T001445_20220403T001445_E001Less of exhoThe tracking exho is missing for one or more recordsGS_OFFL_SR_LRM_16_20220403T03027_2027_20220403T03225_E001Less of exhoThe tracking exho is missing for one or more recordsGS_OFFL_SR_LRM_16_20220403T03225_20220403T03225_E001Less of exhoThe tracking exho is missing for one or more recordsGS_OFFL_SR_LRM_16_20220403T03225_20220403T03225_E001Less of exhoThe tracking exho is missing for one or more recordsGS_OFFL_SR_LRM_16_20220403T03225_20220403T03225_E001Less of exhoThe tracking exho is missing for one or more recordsGS_OFFL_SR_LRM_16_20220403T03252_20220403T04327_E001Less of exhoThe tracking exho is missing for one or more recordsGS_OFFL_SR_LRM_16_20220403T03459_20220403T04593_E001Less of exhoThe tracking exho is missing for one or more recordsGS_OFFL_SR_LRM_16_20220403T0459_20220403T05905_E001Less of exhoThe tracking exho is missing for one or more recordsGS_OFFL_SR_LRM_16_20220403T07059_20220403T0969_E001Less of exhoThe tracking exho is missing for one or more recordsGS_OFFL_SR_LRM_16_20220403T07185_20220403T07038_E001Less of exhoThe tracking exho is missing for one or more recordsGS_OFFL_SR_LRM_16_20220403T07	CS_OFFL_SIR_LRM_1B_20220403T013421_20220403T014049_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LRM_16_20220403701445_20220403701445_2020 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_16_20220403701445_20220403703062_E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_16_20220403703062_20220403703062_E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_16_20220403703207_20220403703227_E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_16_20220403703272_20220403703275_E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_16_20220403703274_20220403703278_E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_16_20220403703274_20220403703278_E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_16_20220403703274_20220403703285_E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_16_20220403704580_20220403706890_E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_20220403705891_20220403706890_E001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LRM_18_202204037075850_20220403700300_E001 Loss of exho The tracking exho is missing for one or more records C	CS_OFFL_SIR_LRM_1B_20220403T014051_20220403T014129_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LRM_18_20220407014422_02204037030626_E001 Loss of echo The tracking acho is missing for one or more records CS_OFFL_SR_LRM_18_202204037030076_2022040370307662_E001 Loss of echo The tracking acho is missing for one or more records CS_OFFL_SR_LRM_18_202204037030762_202204037030766_E001 Loss of echo The tracking acho is missing for one or more records CS_OFFL_SR_LRM_18_20220403703275_20220403703255_E001 Loss of echo The tracking acho is missing for one or more records CS_OFFL_SR_LRM_18_20220403703275_20220403703255_E001 Loss of echo The tracking acho is missing for one or more records CS_OFFL_SR_LRM_18_20220403703275_20220403703255_E001 Loss of echo The tracking acho is missing for one or more records CS_OFFL_SR_LRM_18_20220403703275_202204037032555_E001 Loss of echo The tracking acho is missing for one or more records CS_OFFL_SR_LRM_18_202204037034392_022204037045893_E001 Loss of echo The tracking acho is missing for one or more records CS_OFFL_SR_LRM_18_202204037045897_202204037056985_E001 Loss of echo The tracking acho is missing for one or more records CS_OFFL_SR_LRM_18_202204037056982_202204037056985_E001 Loss of echo The tracking acho is missing for one or more records CS_OFFL_SR_LRM_18_202204037056982_202204037056981_E001 Loss of echo The tracking acho is missing for one or more records <tr< td=""><td>CS_OFFL_SIR_LRM_1B_20220403T014136_20220403T014139_E001</td><td>Loss of echo</td><td>The tracking echo is missing for one or more records</td></tr<>	CS_OFFL_SIR_LRM_1B_20220403T014136_20220403T014139_E001	Loss of echo	The tracking echo is missing for one or more records
CS, OFFL_SRL_HAM_18_20220407030052_20220407030052E_E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL_SRL_HAM_18_20220407030027_20220400703227_0220400703218_E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL_SRL_HAM_18_2022040703227_02220400703225_E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL_SRL_HAM_18_2022040703225_2022040703225_E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL_SRL_HAM_18_2022040703225_2022040703225_E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL_SRL_HAM_18_2022040703225_2022040703225_E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL_SRL_HAM_18_20220407043391_20220407103256_E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL_SRL_HAM_18_202204070458491_2022040705058_E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL_SRL_HAM_18_20220407056848_20020400705892_E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL_SRL_HAM_18_202204070765848_2022040070705852_E001 Loss of echo The tracking echo is missing for one or more records CS, OFFL_SRL_HAM_18_202204070705852_2022040070708582_E001 Loss of echo The tracking echo is missing for one or more records<	CS_OFFL_SIR_LRM_1B_20220403T014143_20220403T014157_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LRM_1B_20220437030248_20220403703218_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SR_LRM_1B_20220437032227_20220437032255_E011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SR_LRM_1B_20220437032255_20220437032255_E011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SR_LRM_1B_20220437037242_0220437032256_E011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SR_LRM_1B_20220437037242_0220437032726_E011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SR_LRM_1B_20220437037242_022043703728_E011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SR_LRM_1B_20220437034243_20220437047932_E011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SR_LRM_1B_20220437045840_20220437064803_E0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SR_LRM_1B_2022043706593_2022043706593_E0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SR_LRM_1B_20220437050693_20220437050694_E0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SR_LRM_1B_202204370769593_202204370765959_E0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SR_LRM_1B_20220437071858_202204370765950_E0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SR_LRM_1B_20220437071858_20220437073838_E0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SR_LRM_1B_202204370787892_2020437078382_E00	CS_OFFL_SIR_LRM_1B_20220403T014452_20220403T014712_E001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20220403T083858_20220403T084057_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220403T084052_20220403T084057_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220403T084059_20220403T084059_20220403T084059_20220403T084059_20220403T084323_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220403T084108_20220403T084323_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220403T084705_20220403T084323_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220403T085911_20220403T091411_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220403T093344_20220403T093633_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220403T093344_20220403T093633_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220403T093344_20220403T093633_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220403T094831_E001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20220403T094859_20220403T094831_E001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220403T083842_20220403T083845_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T084052_20220403T084057_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T084059_20220403T084106_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T084059_20220403T084108_20220403T084323_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T084705_20220403T084323_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T084705_20220403T085636_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T085911_20220403T091411_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T093344_20220403T093633_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T094659_20220403T094831_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T094659_20220403T094831_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220403T083849_20220403T083854_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T084059_20220403T084106_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T084108_20220403T084323_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T084705_20220403T085636_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T085011_20220403T094501_20220403T091411_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T093344_20220403T093633_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T094659_20220403T094831_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T094659_20220403T094831_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220403T083858_20220403T084049_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T084108_20220403T084323_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T084705_20220403T085636_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T085031_20220403T093503_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T093344_20220403T093633_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T094659_20220403T094831_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T094659_20220403T094831_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220403T084052_20220403T084057_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T084705_20220403T085636_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T085911_20220403T09301411_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T093344_20220403T093633_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T094659_20220403T094831_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T094659_20220403T094831_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220403T084059_20220403T084106_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T085911_20220403T091411_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T093344_20220403T093633_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T094659_20220403T094831_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T094659_20220403T094831_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220403T084108_20220403T084323_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T093344_20220403T093633_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20220403T094659_20220403T094831_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220403T084705_20220403T085636_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T094659_20220403T094831_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220403T085911_20220403T091411_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20220403T093344_20220403T093633_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T094834_20220403T094854_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20220403T094659_20220403T094831_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20220403T094834_20220403T094854_E001	Loss of echo	The tracking echo is missing for one or more records

CS OFFL SIR LRM 1B 20220403T094856 20220403T094915 E001 CS_OFFL_SIR_LRM_1B_20220403T094917_20220403T094918_E001 CS OFFL SIR LRM 1B 20220403T094920 20220403T094924 E001 CS OFFL SIR LRM 1B 20220403T094926 20220403T095123 E001 CS_OFFL_SIR_LRM_1B_20220403T095246_20220403T095958_E001 CS OFFL SIR LRM 1B 20220403T101608 20220403T102119 E001 CS OFFL SIR LRM 1B 20220403T102122 20220403T102132 E001 CS OFFL SIR LRM 1B 20220403T102139 20220403T102333 E001 CS_OFFL_SIR_LRM_1B_20220403T102336_20220403T102515_E001 CS_OFFL_SIR_LRM_1B_20220403T102820_20220403T102826_E001 CS_OFFL_SIR_LRM_1B_20220403T102829_20220403T102830_E001 CS OFFL SIR LRM 1B 20220403T102833 20220403T102938 E001 CS OFFL SIR LRM 1B 20220403T110043 20220403T110223 E001 CS_OFFL_SIR_LRM_1B_20220403T110614_20220403T113030_E001 CS_OFFL_SIR_LRM_1B_20220403T113032_20220403T113053_E001 CS_OFFL_SIR_LRM_1B_20220403T113055_20220403T113207_E001 CS OFFL SIR LRM 1B 20220403T113210 20220403T113210 E001 CS OFFL SIR LRM 1B 20220403T113212 20220403T113220 E001 CS_OFFL_SIR_LRM_1B_20220403T113223_20220403T113226_E001 CS_OFFL_SIR_LRM_1B_20220403T113228_20220403T114119_E001 CS_OFFL_SIR_LRM_1B_20220403T115831_20220403T120154_E001 CS OFFL SIR LRM 1B 20220403T120654 20220403T123300 E001 CS_OFFL_SIR_LRM_1B_20220403T123943_20220403T124308_E001 CS_OFFL_SIR_LRM_1B_20220403T133624_20220403T134113_E001 CS OFFL SIR LRM 1B 20220403T134205 20220403T135034 E001 CS_OFFL_SIR_LRM_1B_20220403T135037_20220403T141234_E001 CS_OFFL_SIR_LRM_1B_20220403T141405_20220403T142215_E001 CS OFFL SIR LRM 1B 20220403T151407 20220403T151453 E001 CS OFFL SIR LRM 1B 20220403T151723 20220403T152114 E001 CS OFFL SIR LRM 1B 20220403T152132 20220403T152205 E001 CS_OFFL_SIR_LRM_1B_20220403T152443_20220403T152607_E001 CS_OFFL_SIR_LRM_1B_20220403T152751_20220403T153244_E001 CS OFFL SIR LRM 1B 20220403T153302 20220403T153748 E001 CS OFFL SIR LRM 1B 20220403T153855 20220403T154117 E001 CS OFFL SIR LRM 1B 20220403T164134 20220403T164139 E001 CS_OFFL_SIR_LRM_1B_20220403T165916_20220403T170031_E001 CS_OFFL_SIR_LRM_1B_20220403T170035_20220403T170052_E001 CS OFFL SIR LRM 1B 20220403T170102 20220403T170135 E001 CS OFFL SIR LRM 1B 20220403T170253 20220403T170753 E001 CS_OFFL_SIR_LRM_1B_20220403T171125_20220403T171609_E001 CS_OFFL_SIR_LRM_1B_20220403T173442_20220403T173806_E001 CS_OFFL_SIR_LRM_1B_20220403T174329_20220403T175002_E001 CS OFFL SIR LRM 1B 20220403T175012 20220403T181250 E001 CS OFFL SIR LRM 1B 20220403T181940 20220403T181956 E001 CS OFFL SIR LRM 1B 20220403T181958 20220403T182004 E001 CS_OFFL_SIR_LRM_1B_20220403T182008_20220403T182022_E001 CS OFFL SIR LRM 1B 20220403T182027 20220403T182040 E001 CS OFFL SIR LRM 1B 20220403T182043 20220403T182047 E001 CS OFFL SIR LRM 1B 20220403T182049 20220403T182052 E001 CS OFFL SIR LRM 1B 20220403T182055 20220403T182136 E001 CS OFFL SIR LRM 1B 20220403T183428 20220403T184128 E001 CS OFFL SIR LRM 1B 20220403T191519 20220403T191713 E001 CS_OFFL_SIR_LRM_1B_20220403T193044_20220403T193646_E001 CS_OFFL_SIR_LRM_1B_20220403T193926_20220403T194053_E001 CS_OFFL_SIR_LRM_1B_20220403T194056_20220403T194137_E001 CS OFFL SIR LRM 1B 20220403T194518 20220403T195222 E001 CS_OFFL_SIR_LRM_1B_20220403T195451_20220403T195534_E001 CS_OFFL_SIR_LRM_1B_20220403T195624_20220403T195654_E001 CS OFFL SIR LRM 1B 20220403T195657 20220403T195703 E001 CS OFFL SIR LRM 1B 20220403T195707 20220403T195726 E001 CS OFFL SIR LRM 1B 20220403T195729 20220403T195739 E001 CS OFFL SIR LRM 1B 20220403T195744 20220403T195946 E001 CS_OFFL_SIR_LRM_1B_20220403T195949_20220403T195954_E001 CS OFFL SIR LRM 1B 20220403T195956 20220403T200001 E001 Loss of echo _oss of echo Loss of echo oss of echo Loss of echo oss of echo Loss of echo oss of echo Loss of echo oss of echo Loss of echo The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20220403T200004_20220403T200031_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T200033_20220403T200043_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T200045_20220403T200045_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T200050_20220403T200105_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T203233_20220403T203532_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T203639_20220403T204817_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T205405_20220403T205629_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T211041_20220403T211806_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T211946_20220403T213440_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T213444_20220403T213511_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T213543_20220403T214131_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T215405_20220403T215516_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T215639_20220403T215951_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T220510_20220403T220958_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T230607_20220403T230633_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T231024_20220403T231119_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T231247_20220403T231319_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T231323_20220403T231350_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T231353_20220403T231609_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T231627_20220403T231752_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20220403T233350_20220404T000808_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:

Product	Test Failed	Description
CS_OFFL_SIR_SIN_1B_20220403T170031_20220403T170035_E001	Cal1 Correction missing	The Cal1 correction has not been applied for one or more records

4.6 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.7 L1B Auxiliary Correction Error Check

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

0

0

Number of products with errors:

4.8 L1B Measurement Confidence Data Check

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20220403T211946_20220403T213440_E001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

Number of products with errors:

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).

5.2 L2 Product Header Analysis

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

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

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

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

Number of products with errors:

114

Product	Test Failed	Description
CS_OFFL_SIR_SAR_220220403T005902_20220403T010009_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS OFFL SIR SAR 2 20220403T014158 20220403T014219 E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20220403T014713 20220403T014936 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
	Show 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_220220403T014955_20220403T015959_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T023807_20220403T024011_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T025039_20220403T025045_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220403T025709_20220403T030051_E001	Snow depth model	There 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_220220403T031756_20220403T031830_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T032356_20220403T032723_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T032959_20220403T033043_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T033112_20220403T033859_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T034044_20220403T034132_E001	Snow depth model	There 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_220220403T034312_20220403T034318_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T041732_20220403T041933_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220403T042930_20220403T042948_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T045803_20220403T045840_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20220403T050015_20220403T050316_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_220220403T050316_20220403T051022_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T051919_20220403T052137_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T054331_20220403T054424_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS OFFL SIR SAR 2 20220403T055516 20220403T055646 E001	Snow depth model	There 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_220220403T060253_20220403T060259_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T060307_20220403T060309_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T060818_20220403T060911_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T063808_20220403T063823_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220403T064531_20220403T064602_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_2_20220403T064602_20220403T064610_E001		falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
	Snow depth model	falls outside of the extent of the current snow depth model There is an error with the Snow Depth value, where one or more records
CS_OFFL_SIR_SAR_220220403T070006_20220403T070020_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T070025_20220403T070043_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T070045_20220403T070051_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS OFFL SIR SAR 2 20220403T070054 20220403T070445 E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
 CS OFFL SIR SAR 2 20220403T071232 20220403T071712 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
	Show depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T073038_20220403T073056_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T074153_20220403T074158_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T074205_20220403T074211_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS OFFL SIR SAR 2 20220403T074603 20220403T074950 E001	Snow depth model	There 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_2_20220403T074950_20220403T075250_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220403T080531_20220403T080744_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220403T081946_20220403T082218_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T082343_20220403T082724_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS OFFL SIR SAR 2 20220403T085636 20220403T085700 E001	Snow depth model	There 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_220220403T085716_20220403T085911_E001	Snow depth model	falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T091412_20220403T091413_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220403T092105_20220403T092111_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T093033_20220403T093100_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records
CS OFFL SIR SAR 2 20220403T093114 20220403T093344 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 2 20220403T100121 20220403T100336 E001	Snow depth model	falls outside of the extent of the current snow depth model

CS OFFL SIR SAR 2 20220403T100359 20220403T100424 E001 CS OFFL SIR SAR 2 20220403T102133 20220403T102139 E001 CS OFFL SIR SAR 2 20220403T102939 20220403T103014 E001 CS_OFFL_SIR_SAR_2__20220403T103016_20220403T103046_E001 CS_OFFL_SIR_SAR_2__20220403T103048_20220403T103333_E001 CS_OFFL_SIR_SAR_2__20220403T103346_20220403T103430_E001 CS OFFL SIR SAR 2 20220403T103433 20220403T103604 E001 CS OFFL SIR SAR 2 20220403T105315 20220403T105318 E001 CS_OFFL_SIR_SAR_2__20220403T110531_20220403T110614_E001 CS_OFFL_SIR_SAR_2__20220403T120155_20220403T120157_E001 CS OFFL SIR SAR 2 20220403T124426 20220403T124525 E001 CS_OFFL_SIR_SAR_2__20220403T131345_20220403T131510_E001 CS_OFFL_SIR_SAR_2__20220403T133450_20220403T133623_E001 CS_OFFL_SIR_SAR_2_20220403T134113_20220403T134204_E001 CS OFFL SIR SAR 2 20220403T141235 20220403T141241 E001 CS OFFL SIR SAR 2 20220403T142330 20220403T142449 E001 CS OFFL SIR SAR 2 20220403T150127 20220403T150202 E001 CS_OFFL_SIR_SAR_2__20220403T151453_20220403T151533_E001 CS OFFL SIR SAR 2 20220403T151656 20220403T151723 E001 CS OFFL SIR SAR 2 20220403T152408 20220403T152443 E001 CS_OFFL_SIR_SAR_2__20220403T154117_20220403T154333_E001 CS OFFL SIR SAR 2 20220403T155202 20220403T155220 E001 CS_OFFL_SIR_SAR_2__20220403T160213_20220403T160420_E001 CS OFFL SIR SAR 2 20220403T162717 20220403T163003 E001 CS OFFL SIR SAR 2 20220403T163920 20220403T164134 E001 CS_OFFL_SIR_SAR_2__20220403T165108_20220403T165133_E001 CS OFFL SIR SAR 2 20220403T165538 20220403T165915 E001 CS OFFL SIR SAR 2 20220403T170135 20220403T170253 E001 CS OFFL SIR SAR 2 20220403T171610 20220403T171757 E001 CS OFFL SIR SAR 2 20220403T173108 20220403T173204 E001 CS_OFFL_SIR_SAR_2__20220403T174141_20220403T174329_E001 CS_OFFL_SIR_SAR_2__20220403T181250_20220403T181303_E001 CS OFFL SIR SAR 2 20220403T181621 20220403T181923 E001 CS_OFFL_SIR_SAR_2__20220403T181935_20220403T181939_E001 CS_OFFL_SIR_SAR_2__20220403T182950_20220403T183048_E001 CS OFFL SIR SAR 2 20220403T183126 20220403T183342 E001 CS OFFL SIR SAR 2 20220403T184129 20220403T184151 E001 CS OFFL SIR SAR 2 20220403T190545 20220403T190909 E001 CS OFFL SIR SAR 2 20220403T190930 20220403T191244 E001 CS_OFFL_SIR_SAR_2__20220403T192338_20220403T192348_E001 CS OFFL SIR SAR 2 20220403T192950 20220403T193044 E001 CS OFFL SIR SAR 2 20220403T193647 20220403T193926 E001 CS_OFFL_SIR_SAR_2__20220403T194138_20220403T194518_E001 CS_OFFL_SIR_SAR_2_20220403T195222_20220403T195312_E001 CS_OFFL_SIR_SAR_2__20220403T195535_20220403T195543_E001 CS_OFFL_SIR_SAR_2_20220403T195545_20220403T195624_E001 CS OFFL SIR SAR 2 20220403T201442 20220403T201447 E001 CS_OFFL_SIR_SAR_2__20220403T201731_20220403T201820_E001 CS_OFFL_SIR_SAR_2__20220403T202826_20220403T203233_E001 CS OFFL SIR SAR 2 20220403T211013 20220403T211041 E001 Snow depth model Snow depth model

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CS_OFFL_SIR_SAR_2_20220403T211806_20220403T211945_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220403T213511_20220403T213528_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220403T213532_20220403T213543_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T214937_20220403T215048_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220403T215318_20220403T215404_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_220220403T215952_20220403T220123_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220403T222930_20220403T223010_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220403T230522_20220403T230606_E001	Snow depth model	There is an error with the Snow Depth value, where one or more records falls outside of the extent of the current snow depth model
CS_OFFL_SIR_SAR_2_20220403T230646_20220403T230714_E001	Snow depth model	There is an error 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_220220403T024012_20220403T024348_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220403T041933_20220403T042252_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220403T074413_20220403T074603_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220403T092244_20220403T092936_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220403T155905_20220403T160213_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220403T173806_20220403T174140_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220403T191245_20220403T191519_E001	Mean Sea Surface model	There is an error with the Mean Sea Surface for one or more records
CS_OFFL_SIR_SIN_220220403T204817_20220403T205405_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_220220403T003012_20220403T005901_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_220220403T011151_20220403T013319_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_220220403T013322_20220403T013419_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_220220403T013421_20220403T014049_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_220220403T014936_20220403T014955_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_220220403T020433_20220403T023806_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_220220403T030052_20220403T030626_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_220220403T032027_20220403T032118_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_220220403T032823_20220403T032958_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_220220403T034319_20220403T041732_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_220220403T042949_20220403T044950_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_220220403T045840_20220403T050015_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_220220403T052138_20220403T054331_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_220220403T054424_20220403T055515_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_220220403T060912_20220403T063807_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_220220403T063823_20220403T064531_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220220403T070445_20220403T071231_E001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220220403T071712_20220403T071855_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220220403T071858_20220403T073038_E001	(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_220220403T075250_20220403T080530_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_220220403T080744_20220403T081946_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_220220403T082219_20220403T082343_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_220220403T084705_20220403T085636_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_220220403T085911_20220403T091411_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_220220403T093344_20220403T093633_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_220220403T094050_20220403T094112_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_220220403T094926_20220403T095123_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_220220403T095246_20220403T095958_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_220220403T103604_20220403T105315_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_220220403T110614_20220403T113030_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_220220403T120654_20220403T123300_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_220220403T124525_20220403T131345_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_220220403T134205_20220403T135034_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_220220403T135037_20220403T141234_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_220220403T142450_20220403T145951_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_220220403T151255_20220403T151400_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_220220403T151407_20220403T151453_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_220220403T152443_20220403T152607_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_220220403T154334_20220403T155202_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_220220403T160421_20220403T162717_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_220220403T163003_20220403T163920_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_220220403T171125_20220403T171609_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_220220403T171757_20220403T173107_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_220220403T174329_20220403T175002_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_220220403T175012_20220403T181250_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_220220403T183428_20220403T184128_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_220220403T184152_20220403T190545_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_220220403T192349_20220403T192949_E001	(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
CS_OFFL_SIR_LRM_220220403T193044_20220403T193646_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_220220403T193926_20220403T194053_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
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CS_OFFL_SIR_LRM_220220403T194056_20220403T194137_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_220220403T194518_20220403T195222_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20220403T200033_20220403T200043_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220403T200050_20220403T200105_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20220403T201447_20220403T201731_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20220403T201820_20220403T202825_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20220403T203639_20220403T204817_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_2_20220403T210302_20220403T211012_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_2_20220403T211041_20220403T211806_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_2_20220403T211946_20220403T213440_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_220220403T215405_20220403T215516_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20220403T215639_20220403T215951_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20220403T220123_20220403T220348_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20220403T220510_20220403T220958_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_220220403T221234_20220403T222929_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_220220403T224242_20220403T230521_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_220220403T231024_20220403T231119_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220220403T233350_20220404T000808_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_SAR_220220403T000908_20220403T001129_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T001146_20220403T001243_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T001317_20220403T001755_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T005902_20220403T010009_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T014713_20220403T014936_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T014955_20220403T015959_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T023807_20220403T024011_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T025039_20220403T025045_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T025709_20220403T030051_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T031756_20220403T031830_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T032356_20220403T032723_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T032959_20220403T033043_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T033112_20220403T033859_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T034312_20220403T034318_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T041732_20220403T041933_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T042930_20220403T042948_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220220403T045803_20220403T045840_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T050015_20220403T050316_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T050316_20220403T051022_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T051134_20220403T051916_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T051919_20220403T052137_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T054331_20220403T054424_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T055516_20220403T055646_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T060818_20220403T060911_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T063808_20220403T063823_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T064531_20220403T064602_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T064602_20220403T064610_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T065049_20220403T065802_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T070054_20220403T070445_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T071232_20220403T071712_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T073038_20220403T073056_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T074603_20220403T074950_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T074950_20220403T075250_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T080531_20220403T080744_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T081946_20220403T082218_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T082343_20220403T082724_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T083004_20220403T083720_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T085636_20220403T085700_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T085716_20220403T085911_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T091412_20220403T091413_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T093033_20220403T093100_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T093114_20220403T093344_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T100121_20220403T100336_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T100359_20220403T100424_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T100848_20220403T101607_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T103048_20220403T103333_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T103346_20220403T103430_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T103433_20220403T103604_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T105315_20220403T105318_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T110531_20220403T110614_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220220403T114711_20220403T115616_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T124426_20220403T124525_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T131345_20220403T131510_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T132404_20220403T133143_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T133201_20220403T133313_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T133405_20220403T133429_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T133450_20220403T133623_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T141235_20220403T141241_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T142330_20220403T142449_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T150337_20220403T150959_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T151000_20220403T151255_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T151656_20220403T151723_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T152408_20220403T152443_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T154117_20220403T154333_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T155202_20220403T155220_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T160213_20220403T160420_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T162717_20220403T163003_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T163920_20220403T164134_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T164222_20220403T164859_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T164900_20220403T165038_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T165108_20220403T165133_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T165538_20220403T165915_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T170135_20220403T170253_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T171610_20220403T171757_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T173108_20220403T173204_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T174141_20220403T174329_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T181250_20220403T181303_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T181621_20220403T181923_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T182136_20220403T182259_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T182310_20220403T182757_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T182758_20220403T182921_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T182950_20220403T183048_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T183126_20220403T183342_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T184129_20220403T184151_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_2_20220403T190545_20220403T190909_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T190930_20220403T191244_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T192338_20220403T192348_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T192950_20220403T193044_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T193647_20220403T193926_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T194138_20220403T194518_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T195222_20220403T195312_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T200108_20220403T200641_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T200642_20220403T200754_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T201442_20220403T201447_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T201731_20220403T201820_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220220403T202826_20220403T203233_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T211013_20220403T211041_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T211806_20220403T211945_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T214132_20220403T214223_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T214321_20220403T214410_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T214410_20220403T214726_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T214937_20220403T215048_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T215318_20220403T215404_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T215952_20220403T220123_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T222930_20220403T223010_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T230522_20220403T230606_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20220403T231938_20220403T232639_E001	Backscatter Error (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_220220402T235847_20220403T000233_E001	SARIn X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220220403T001130_20220403T001145_E001	Backscatter Error (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_220220403T001243_20220403T001317_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_220220403T001756_20220403T002217_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_220220403T010009_20220403T010149_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_220220403T010302_20220403T010436_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_0FFL_SIR_SIN_220220403T010905_20220403T011151_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_220220403T015959_20220403T020433_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_220220403T024012_20220403T024348_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_220220403T024924_20220403T025039_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

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CS_OFFL_SIR_SIN_220220403T031831_20220403T032026_E001	Backscatter Error (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_220220403T032726_20220403T032823_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220403T033044_20220403T033111_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_0FFL_SIR_SIN_2_20220403T033859_20220403T034036_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_0FFL_SIR_SIN_2_20220403T034133_20220403T034312_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_0FFL_SIR_SIN_2_20220403T041933_20220403T042252_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_220220403T042805_20220403T042930_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_220220403T044951_20220403T045306_E001	Backscatter Error (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_220220403T051022_20220403T051134_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_220220403T055647_20220403T060014_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_220220403T060709_20220403T060817_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_220220403T064610_20220403T064722_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_220220403T064937_20220403T065049_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_220220403T073453_20220403T073633_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_220220403T074413_20220403T074603_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_220220403T082724_20220403T083004_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_0FFL_SIR_SIN_2_20220403T084323_20220403T084705_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20220403T091414_20220403T091559_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_220220403T092244_20220403T092936_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_220220403T093101_20220403T093114_E001	Backscatter Error (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_220220403T093637_20220403T094049_E001	Backscatter Error (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_220220403T094112_20220403T094659_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_220220403T095123_20220403T095246_E001	Backscatter Error (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_220220403T095958_20220403T100120_E001	Backscatter Error (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_220220403T100336_20220403T100358_E001	Backscatter Error (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_220220403T100424_20220403T100847_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_0FFL_SIR_SIN_2_20220403T102517_20220403T102602_E001	SARIn X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220220403T102602_20220403T102820_E001	SARIn X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_0FFL_SIR_SIN_2_20220403T105319_20220403T105558_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_0FFL_SIR_SIN_220220403T110037_20220403T110043_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220403T110223_20220403T110531_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_0FFL_SIR_SIN_220220403T114322_20220403T114710_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_0FFL_SIR_SIN_220220403T120300_20220403T120653_E001	SARIN X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220220403T123300_20220403T123415_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_220220403T123937_20220403T123942_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220403T124308_20220403T124425_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20220403T131828_20220403T132404_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_220220403T133143_20220403T133201_E001	Backscatter Error (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_220220403T133314_20220403T133405_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_220220403T133429_20220403T133450_E001	Backscatter Error (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_220220403T141241_20220403T141405_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_0FFL_SIR_SIN_220220403T142216_20220403T142329_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_0FFL_SIR_SIN_220220403T145952_20220403T150127_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_220220403T151400_20220403T151407_E001	Backscatter Error (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_220220403T152206_20220403T152408_E001	Backscatter Error (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_220220403T155220_20220403T155345_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_220220403T155905_20220403T160213_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_220220403T165039_20220403T165107_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_220220403T170031_20220403T170035_E001	Calibration Warning	The Calibration correction is missing or has been taken from the IPFDB instead of the Calibration products for one or more records
CS_OFFL_SIR_SIN_220220403T173204_20220403T173442_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_220220403T173806_20220403T174140_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_220220403T182259_20220403T182310_E001	Backscatter Error (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_220220403T182921_20220403T182949_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20220403T183049_20220403T183126_E001	Backscatter Error (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_220220403T183342_20220403T183428_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_0FFL_SIR_SIN_220220403T191245_20220403T191519_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_220220403T191713_20220403T191957_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220403T192151_20220403T192337_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_220220403T195312_20220403T195450_E001	Backscatter Error (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_220220403T200755_20220403T200915_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_220220403T201331_20220403T201442_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_220220403T204817_20220403T205405_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_220220403T205629_20220403T205659_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220220403T210122_20220403T210301_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_220220403T214223_20220403T214321_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_220220403T214726_20220403T214936_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_220220403T215049_20220403T215317_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_220220403T215516_20220403T215638_E001	SARIn X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220220403T220348_20220403T220510_E001	Backscatter Error (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_220220403T220958_20220403T221233_E001	Backscatter Error (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_220220403T223011_20220403T223151_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_220220403T224034_20220403T224241_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_220220403T230715_20220403T231024_E001	SARIn X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220220403T231120_20220403T231247_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_220220403T232640_20220403T233127_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