

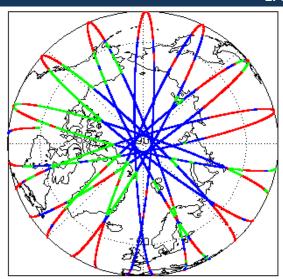
1. Overview

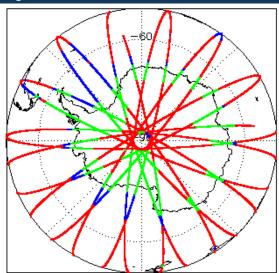
Report Production Date:	23-Apr-2020	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

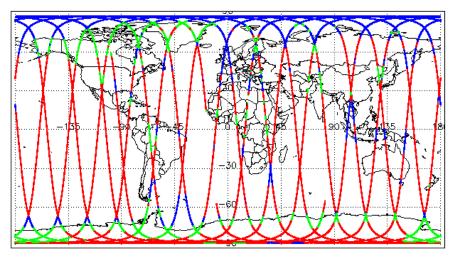
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

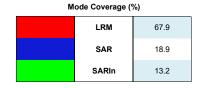
Mission / Instrument News		
23-Mar-2020	None	
24-Mar-2020	None	
25-Mar-2020	Nothing planned	

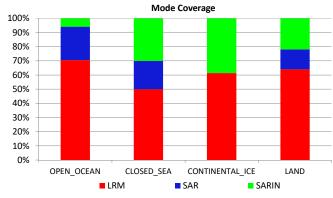
2. Global Coverage

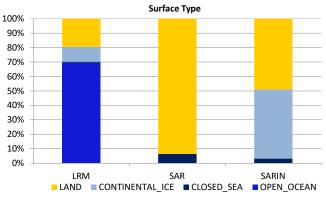












3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

(

4.2 L1B Product Header Analysis

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

Number of products with errors:

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4.3 Star Tracker Usage Check

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

Number of products with errors:

4.4 L1B Tracking Flags Check

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

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

lumber of products with errors: 1

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200324T000505_20200324T000849_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T001449_20200324T004152_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T004155_20200324T004314_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T004316_20200324T004351_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T004607_20200324T004618_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T004621_20200324T004925_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T010658_20200324T011152_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T011305_20200324T011307_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T011309_20200324T011323_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T011532_20200324T014113_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T014810_20200324T015137_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T024511_20200324T024819_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T024852_20200324T025056_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T025059_20200324T025224_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T025226_20200324T031016_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T032247_20200324T032838_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T032842_20200324T033039_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T033328_20200324T040741_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T042710_20200324T042923_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T042935_20200324T043005_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T043008_20200324T043010_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T043942_20200324T044259_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T044328_20200324T044521_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T054905_20200324T054957_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T054959_20200324T055009_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T060918_20200324T061055_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T061149_20200324T061231_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T061233_20200324T061650_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T061826_20200324T062436_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T064403_20200324T064631_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T072746_20200324T072801_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T072807_20200324T072854_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T072859_20200324T073005_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T080143_20200324T081420_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T082343_20200324T082538_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T082729_20200324T083042_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T083209_20200324T084805_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T085009_20200324T090017_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T090320_20200324T090610_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T090613_20200324T090950_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T092649_20200324T093845_D001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20200324T094151_20200324T094305_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T09410T_20200324T09502T_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T100212_20200324T100459_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T100212_20200324T103025_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T103522_20200324T103644_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T103701_20200324T103801_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T103804_20200324T103808_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T103810_20200324T103813_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T103817_20200324T104130_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T104132_20200324T104325_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T104328_20200324T104344_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T104347_20200324T104350_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T104353_20200324T104941_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T110512_20200324T111051_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T111335_20200324T113753_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T114010_20200324T114847_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T115053_20200324T121625_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T124209_20200324T124637_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T124809_20200324T131658_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T132944_20200324T140009_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T140045_20200324T140520_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T151953_20200324T152404_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T152407_20200324T152552_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T152748_20200324T152913_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T153305_20200324T153523_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T153706_20200324T153711_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T153740_20200324T153756_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T153926_20200324T154246_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T170913_20200324T171234_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T171236_20200324T171617_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T171809_20200324T171932_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T180742_20200324T180754_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T180757_20200324T181347_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T191613_20200324T191625_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T191629_20200324T191700_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T191702_20200324T191731_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T193956_20200324T194545_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T194615_20200324T195250_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T201048_20200324T202315_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T205501_20200324T205513_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T205515_20200324T205524_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T205528_20200324T205626_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T205629_20200324T205634_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T205638_20200324T205752_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T205755_20200324T205758_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T205802_20200324T205831_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T205835_20200324T205852_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T205855_20200324T205903_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T210010_20200324T210051_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T211615_20200324T213155_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T215256_20200324T215811_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T215814_20200324T215918_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T220503_20200324T221631_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T221657_20200324T221739_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T221307_20200324T221739_D001 CS_OFFL_SIR_LRM_1B_20200324T223343_20200324T223825_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202003241223943_202003241223925_D001 CS_OFFL_SIR_LRM_1B_20200324T223909_20200324T223927_D001	Loss of echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T223929_20200324T224530_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T224601_20200324T224719_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T231829_20200324T231945_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200324T232341_20200324T235111_D001 CS_OFFL_SIR_LRM_1B_20200324T235337_20200324T235858_D001	Loss of echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records
33_511 E_0II_EI\III_1B_202000241230001_202000241230000_D001	Loss of echo	The adoling conto is fineshing for othe or fillote 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 (field 54) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

4.8 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag (field 18) 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 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_20200324T110512_20200324T111051_D001	IECHO EFFOR IEK ECHO EFFOR	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

CryoSat L2 data includes a correction error flag (field 30) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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

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

Number of products with errors: 52

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220200324T001449_20200324T004152_D001	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_220200324T011532_20200324T014113_D001	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_220200324T015406_20200324T022816_D001	,	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200324T025226_20200324T031016_D001	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_220200324T033328_20200324T040741_D001		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_220200324T044328_20200324T044521_D001	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_220200324T044737_20200324T050039_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

Seg. CPT., Bitt., 194.2., 200000047100000_10000021700040_100000 CPC., CPT., SPEL, LEW. 2., 200000047100040_10000021700040_10000 CPC., CPT., SPEL, LEW. 2., 200000047100040_10000021700040_1000000014_10000 CPC., CPT., SPEL, LEW. 2., 200000047100040_100000047100040_10000000000	CS_OFFL_SIR_LRM_220200324T051250_20200324T053545_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
Extra (Finded 2) Service	CS_OFFL_SIR_LRM_220200324T053830_20200324T054748_D001		· ·
Conf. Genv. Accession of the Conference of	CS_OFFL_SIR_LRM_220200324T055931_20200324T060014_D001		
Early Encoded 2) Whigh Firm (Filled Land 2) - Stage Firm (Filled Land 2)	CS_OFFL_SIR_LRM_220200324T061826_20200324T062436_D001		
CIL DEFL. SIN LINE 2. 2000024119420 20022411930 DOT Bind Line 2 Bind	CS_OFFL_SIR_LRM_220200324T062501_20200324T063947_D001		
COLOFF, SRIL LAND 2 PROCESSATIONED 20003041100102 (2000304100102) (2001) COLOFF, SRIL LAND 2 PROCESSATIONED 20003041100102) (2001) COLOFF, SRIL LAND 2 PROCE	CS_OFFL_SIR_LRM_220200324T065315_20200324T072357_D001	(Retracker 3), Backscatter Error	
Egin (February 2) RegularyRECONSTRUCTIONRECONSTRUCTIONDOWN PROPERTY DOT Regular	CS_OFFL_SIR_LRM_220200324T074220_20200324T080135_D001	Height Error (Retracker 2), Backscatter	
DS_OFFL_SR_LIM_2_22020024T005092_2020024T005092_0000024T00007_D001 Pelification Signature To virginization of the second of the period of the pelification of the second of the pelification of the pelificati	CS_OFFL_SIR_LRM_220200324T080143_20200324T081420_D001		
GS_OFFL_SRL_PRM_2_02000004T190042_0200004T190045_D001 Surface Micro More Uncombate Surface Mode Unco	CS_OFFL_SIR_LRM_220200324T083209_20200324T084805_D001		
CS_OFFL_SIR_LEM_2_2000034110190_2000024110315_D0010 Sufface Model Universitation Sufface Model	CS_OFFL_SIR_LRM_220200324T085009_20200324T090017_D001	(Retracker 3), Backscatter Error	
Enrol (Retractor 2) Enrol (Re	CS_OFFL_SIR_LRM_220200324T092649_20200324T093845_D001		
Force (Retrocker 2) Surface Model Unevaliable Surface Model Unevaliable No DEM or Slope Model was used for the location of one or more records Surface Model Unevaliable No DEM or Slope Model was used for the location of one or more records Surface Model Unevaliable No DEM or Slope Model was used for the location of one or more records Surface Model Unevaliable No DEM or Slope Model was used for the location of one or more records Surface Model Unevaliable No DEM or Slope Model was used for the location of one or more records Surface Model Unevaliable No DEM or Slope Model was used for the location of one or more records Surface Model Unevaliable No DEM or Slope Model was used for the location of one or more records Surface Model Unevaliable No DEM or Slope Model was used for the location of one or more records Surface Model Unevaliable No DEM or Slope Model was used for the location of one or more records Surface Model Unevaliable No DEM or Slope Model was used for the location of one or more records (Retrocker 2) Height Error (Retrocker 2) Exception (Pleasure 2) Exception or more records Surface Model Unevaliable No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backccatter error for Retrocker 2 and a height error (Retrocker 2) Exactscatter error for Retrocker 2 for one or more	CS_OFFL_SIR_LRM_220200324T101130_20200324T102632_D001		
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Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records Register for (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Height Error (R	CS_OFFL_SIR_LRM_220200324T103817_20200324T104130_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Surface Model Unavariable Surface Model Unavariable No DEM or Slope Model was used for the location of one or more records Height Error (Retracker 2), Height Error (Retracker 2), Englit Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Englit Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height	CS_OFFL_SIR_LRM_220200324T104132_20200324T104325_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Height Error (Retracker 2), Beackscatter error for Retracker 2 and a height error for Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20200324T119053_20200324T12655_0001 CS_OFFL_SIR_LRM_2_20200324T124809_20200324T12655_0001 CS_OFFL_SIR_LRM_2_20200324T124809_20200324T13658_D001 CS_OFFL_SIR_LRM_2_20200324T124809_20200324T140009_D001 CS_OFFL_SIR_LRM_2_20200324T132944_20200324T140009_D001 CS_OFFL_SIR_LRM_2_20200324T152942_20200324T140009_D001 CS_OFFL_SIR_LRM_2_20200324T152942_20200324T15506_D001 CS_OFFL_SIR_LRM_2_20200324T150842_20200324T15506_D001 CS_OFFL_SIR_LRM_2_20200324T150842_20200324T150840_D001 CS_OFFL_SIR_LRM_2_20200324T150842_20200324T150840_D001 CS_OFFL_SIR_LRM_2_20200324T160021_20200324T16516_D001 CS_OFFL_SIR_LRM_2_20200324T160021_20200324T16506_D001 CS_OFFL_SIR_LRM_2_20200324T160021_20200324T178551_D001 CS_OFFL_SIR_LRM_2_20200324T160021_20200324T178551_D001 CS_OFFL_SIR_LRM_2_20200324T160021_20200324T160021_D001 CS_OFFL_SIR_LRM_2_20200324T160021_20200324T160021_D001 CS_OFFL_SIR_LRM_2_20200324T160021_20200324T160021_D001 CS_OFFL_SIR_LRM_2_20200324T160021_20200324T160021_D001 CS_OFFL_SIR_LRM_2_20200324T160021_20200324T160021_D001 CS_OFFL_SIR_LRM_2_20200324T160021_20200324T160021_D001 CS_OFFL_SIR_LRM_2_20200324T160021_20200324T160021_D001 CS_OFFL_SIR_LRM_2_20200324T160021_D001 CS_OFFL_SIR_LRM_2_20200324T160021_D001 CS_OFFL_SIR_LRM_2_20200324T160021_D001 CS_OFFL_SIR_LRM_2_20200324T160021_D001 CS_OFFL_SIR_LRM_2_20200324T160021_D001 CS_OFFL_SIR_LRM_2_20200324T160021_D001 CS_OFFL_SIR_LRM_2_2	CS_OFFL_SIR_LRM_220200324T104328_20200324T104344_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
GS_OFFL_SIR_LRM_2_20200324T11335_0200324T1265_D001 (Retracker 3). Backscatter Error (Retracker 2). Height Error (Retracker 3). Backscatter Error (Retracker 2). Back	CS_OFFL_SIR_LRM_220200324T104353_20200324T104941_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20200324T14609_20200324T140009_D001 CS_OFFL_SIR_LRM_2_20200324T142809_20200324T140009_D001 CS_OFFL_SIR_LRM_2_20200324T142804_20200324T140009_D001 CS_OFFL_SIR_LRM_2_20200324T142321_20200324T140009_D001 CS_OFFL_SIR_LRM_2_20200324T140009_D001 CS_OFFL_SIR_LRM_2_20200324T140009_D001 CS_OFFL_SIR_LRM_2_20200324T140009_D001 CS_OFFL_SIR_LRM_2_20200324T140009_D001 CS_OFFL_SIR_LRM_2_20200324T140009_D001 CS_OFFL_SIR_LRM_2_20200324T150842_20200324T1506_D001 CS_OFFL_SIR_LRM_2_20200324T150842_20200324T1506_D001 CS_OFFL_SIR_LRM_2_20200324T150842_20200324T1506_D001 CS_OFFL_SIR_LRM_2_20200324T150842_20200324T160001 CS_OFFL_SIR_LRM_2_20200324T150842_20200324T160001 CS_OFFL_SIR_LRM_2_20200324T150842_20200324T160001 CS_OFFL_SIR_LRM_2_20200324T150842_20200324T160001 CS_OFFL_SIR_LRM_2_20200324T150001 CS_OFFL_SIR_LRM_2_20200324T160001_20200324T160001 CS_OFFL_SIR_LRM_2_20200324T160001_20200324T160001 CS_OFFL_SIR_LRM_2_20200324T160001_20200324T160001 CS_OFFL_SIR_LRM_2_20200324T160001_20200324T170705_D001 CS_OFFL_SIR_LRM_2_20200324T160001_20200324T170705_D001 CS_OFFL_SIR_LRM_2_20200324T170001 CS_OFFL_SIR_LRM_2_20200324T170001 CS_OFFL_SIR_LRM_2_20200324T170001 CS_OFFL_SIR_LRM_2_20200324T170001 CS_OFFL_SIR_LRM_2_20200324T170001 CS_OFFL_SIR_LRM_2_20200324T170001 CS_OFFL_SIR_LRM_2_20200324T170001 CS_OFFL_SIR_LRM_2_20200324T170001 CS_OFFL_SIR_LRM_2_20200324T180731_D001 CS_OFFL_SIR_LRM_2_20200324T180737_20200324T180731_D001 CS_OFFL_SIR_LRM_2_20200324T180737_20200324T180731_D001 CS_OFFL_SIR_LRM_2_20200324T19002_20200324T18000000000000000000000000000000000000	CS_OFFL_SIR_LRM_220200324T111335_20200324T113753_D001	(Retracker 3), Backscatter Error	· ·
Error (Retracker 2) Height Error (Retracker 2) H	CS_OFFL_SIR_LRM_220200324T115053_20200324T121625_D001	(Retracker 3), Backscatter Error	
(Retracker 2) (R	CS_OFFL_SIR_LRM_220200324T124809_20200324T131658_D001		· ·
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20200324T150842_20200324T151506_D001 Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracke	CS_OFFL_SIR_LRM_220200324T132944_20200324T140009_D001	(Retracker 3), Backscatter Error	
Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20200324T151953_20200324T152404_D001 Height Error (Retracker 2), Backscatter Error (R	CS_OFFL_SIR_LRM_220200324T142321_20200324T145606_D001		· ·
Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20200324T160021_20200324T163516_D001 (Retracker 3), Backscatter Error (Retracker 3) and no DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200324T173940_20200324T170705_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backsca	CS_OFFL_SIR_LRM_220200324T150842_20200324T151506_D001		
CS_OFFL_SIR_LRM_2_20200324T160021_20200324T105047_20200324T105	CS_OFFL_SIR_LRM_220200324T151953_20200324T152404_D001		
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20200324T173940_20200324T174851_D001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200324T174928_20200324T180731_D001 Height Error (Retracker 2), Backscatter Error (Retracker	CS_OFFL_SIR_LRM_220200324T160021_20200324T163516_D001	(Retracker 3), Backscatter Error	Retracker 3 and no DEM or Slope Model was used for the location of one
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20200324T174928_20200324T180731_D001 Error (Retracker 2), Backscatter Error (Retracker 2), B	CS_OFFL_SIR_LRM_220200324T165047_20200324T170705_D001		•
Error (Retracker 2) Height Error (Retracker 2), Backscatter Error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200324T184927_20200324T185556_D001 Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) CS_OFFL_SIR_LRM_2_20200324T191702_20200324T191731_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200324T192105_20200324T193500_D001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_220200324T173940_20200324T174851_D001		
Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20200324T184927_20200324T185556_D001 Error (Retracker 2), Backscatter records CS_OFFL_SIR_LRM_2_20200324T191702_20200324T191731_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20200324T192105_20200324T193500_D001 Height Error (Retracker 2), Backscatter records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_220200324T174928_20200324T180731_D001		
CS_OFFL_SIR_LRM_2_20200324T191702_20200324T191731_D001 Error (Retracker 2) records Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20200324T19356_20200324T193500_D001 Height Error (Retracker 2), Backscatter records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more	CS_OFFL_SIR_LRM_220200324T180757_20200324T181347_D001		· ·
CS_OFFL_SIR_LRM_2_20200324T192105_20200324T193500_D001 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_220200324T184927_20200324T185556_D001		
Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20200324T193956_20200324T194545_D001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more	CS_OFFL_SIR_LRM_220200324T191702_20200324T191731_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
	CS_OFFL_SIR_LRM_220200324T192105_20200324T193500_D001		
	CS_OFFL_SIR_LRM_220200324T193956_20200324T194545_D001		

CS_OFFL_SIR_LRM_220200324T194615_20200324T195250_D001	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_220200324T201048_20200324T202315_D001	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_220200324T202430_20200324T203723_D001	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_220200324T210326_20200324T211412_D001	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_220200324T211615_20200324T213155_D001	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_220200324T214725_20200324T215227_D001	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_220200324T215256_20200324T215811_D001	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_220200324T220503_20200324T221631_D001	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_220200324T221902_20200324T222036_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200324T225534_20200324T231057_D001	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_220200324T232341_20200324T235111_D001	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