



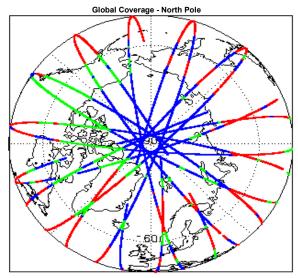
1. Overview

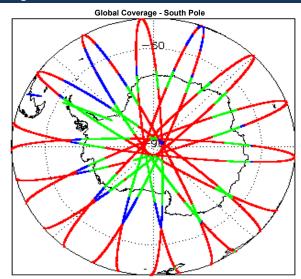
Report Production Date:	23-Mar-2016
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

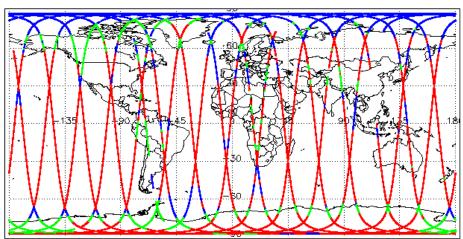
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2 and 5.2
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File Usage Check	Nominal
L1B & L2 Auxiliary Correction Error Check	Nominal
L1B & L2 Measurement Confidence Data Check	See Section 4.7 and 5.5

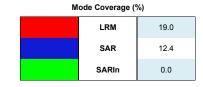
Missio	Mission / Instrument News		
20-F	eb-2016	None	
21-F	eb-2016	None	
22-F	eb-2016	Nothing planned	

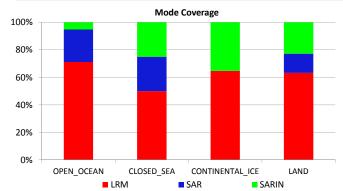
2. Global Coverage

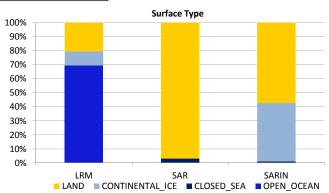












3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
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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:

Product	Test Failed
CS_OFFL_SIR_SAR_1B_20160221T103015_20160221T103017_C001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OFFL_SIR_SAR_1B_20160221T204236_20160221T204238_C001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OFFL_SIR_SAR_1B_20160221T103049_20160221T103051_C001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.

4.3 Star Tracker Usage Check

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

lumber of products with errors:

4.4 L1B Calibration Usage Check

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

lumber of products with errors:

4.5 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:

4.6 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.

umber of products with errors:

4.7 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 20160221T073313 20160221T073522 C001	Echo error. TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set,
C3_OFFL_SIK_LRW_1B_201002211073313_201002211073322_C001	ECHO error, TRK echo error	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:

Product	Test Failed
CS_OFFL_SIR_SAR_220160221T103049_20160221T103051_C001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OFFL_SIR_SAR_220160221T204236_20160221T204238_C001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OFFL_SIR_SAR_220160221T103015_20160221T103017_C001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.

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:

0

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: 103

Sport SPIL SPIL SPIL SPIL SPIL SPIL SPIL SPIL	Product	Test Failed	Description
Secretarian	CS_OFFL_SIR_LRM_220160221T002141_20160221T002554_C001		The state of the s
Section Part Part Section Part P	CS_OFFL_SIR_LRM_220160221T002557_20160221T003440_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
SOFT_SIR_LINE_2_016021T0001_00021T00014_00021T00014_0001 SOFT_SIR_LINE_2_016021T00012_00021T00015_00021T00015_0001 SOFT_SIR_LINE_2_016021T00012_00021T00015_0001 SOFT_SIR_LINE_2_016021T00011_00021T00015_0001 SOFT_SIR_LINE_2_016021T00012_00021T00015_0001 SOFT_SIR_LINE_2_016021T00012_000021T00015_0001 SOFT_SIR_LINE_2_016021T00012_000021T00015_0001 SOFT_SIR_LINE_2_016021T00015_000021T00015_0001 SOFT_SIR_LINE_2_016021T00015_000021T000015_0001 SOFT_SIR_LINE_2_016021T00015_000021T000015_0001 SOFT_SIR_LINE_2_016021T000021T000015_0001 SOFT_SIR_LINE_2_016021T000021T0000015_0001 SOFT_SIR_LINE_2_016021T0000021T0000015_0001 SOFT_SIR_LINE_2_016021T000000000000000000000000000000000	CS_OFFL_SIR_LRM_220160221T011138_20160221T012802_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error
Sporty Bernards 2 () Bespeciation () Bespeciat	CS_OFFL_SIR_LRM_220160221T013527_20160221T013653_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Sport_SRI_LIMB_2_poliobizi1ropizi02_poliobizi1ropizi04_poliobizi1ropiz	CS_OFFL_SIR_LRM_220160221T014055_20160221T020458_C001		
Science Scie	CS_OFFL_SIR_LRM_220160221T020501_20160221T021601_C001	Error (Retracker 2)	
Refrancer 3), Baskscatter Error (Refrancer 2) and a height entire or entire to records a septiment of the control of the contr	CS_OFFL_SIR_LRM_220160221T023023_20160221T023315_C001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
segorffunder 2 and segorffunder 3 and segorffunder	CS_OFFL_SIR_LRM_220160221T024611_20160221T030746_C001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
Erro (Retracker 2) Sport_SIR_LRM_2_20160221103449_201602211035237_C001 High Error (Retracker 2). Happit Error (Retracker 2). Happit Error (Retracker 3). Backscatter Error (Retracker 2). Backscatter	CS_OFFL_SIR_LRM_220160221T031425_20160221T031750_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
ORFILLIBIT_LEM_2_20160221104502_00160221104709_C001 Space Marker 3, Backscatter Error (Febracker 2, beging from (Febracker 2) and a height enror (Febracker 3) and a backscatter error for Febracker 2 and a height enror (Febracker 2) and a febracker 3 and 3 febrack	CS_OFFL_SIR_LRM_220160221T032009_20160221T034750_C001		
(Relander 2) Sport Sitt Lem. 2, 20160221104949, 201602211059446_C001 Sport Sitt Lem. 2, 20160221104949, 201602211059446_C001 Sport Sitt Lem. 2, 20160221104949, 201602211059496_C001 Sport Sitt Lem. 2, 20160221104949, 201602211059496_C001 Sport Sitt Lem. 2, 20160221104949, 201602211059496_C001 Sport Sitt Lem. 2, 20160221105949, 201602211059496_C001 Sport Sitt Lem. 2, 20160221105949, 20160221106904, 2016022106904, 2016022106904, 2016022106	CS_OFFL_SIR_LRM_220160221T034946_20160221T035237_C001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height erro for Retracker 3 for one or more records
Height Error (Febracker 2), Backscatter Febracker 3), Febracker 3, Backscatter Febracker 3, Berght and backscatter error for Retracker 2 on one or more records. Febracker 3, Backscatter Febracker 3, Berght and backscatter error for Retracker 2 on one or more records. Febracker 3, Backscatter Febracker 3, Berght and backscatter error for Retracker 2 on one or more records. Febracker 3, Backscatter Febracker 3, Berght and backscatter error for Retracker 2 on one or more records. Febracker 3, Backscatter Febracker 3, Berght and backscatter error for Retracker 2 on one or more records. Febracker 3, Backscatter Febracker 3, Berght Error (Retracker 2), Berght Error (CS_OFFL_SIR_LRM_220160221T041947_20160221T044709_C001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
Error (Retracker 2). Beackscatter from for Retracker 2 and a height error (Retracker 2). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error (Retracker 3). Beackscatter from for Retracker 3 and a height error	CS_OFFL_SIR_LRM_220160221T045323_20160221T045654_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
SS_OFFL_SIR_LRM_2_20160221T054756_20160021T076045_C001 Figeracker 2) Backscatter Error (Retracker 2) Backscatter Error (Retra	CS_OFFL_SIR_LRM_220160221T045928_20160221T053445_C001	Error (Retracker 2)	
Error (Retracker 2). Backscatter	CS_OFFL_SIR_LRM_220160221T054756_20160221T054934_C001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
Error (Retracker 2) Signoff_Sir_Lem_2_201602211705236_201602211708260001 Signoff_Sir_Lem_2_20160221708236_201602217081244_C0001 Signoff_Sir_Lem_2_201602217082300_201002217082500_C001 Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Re	CS_OFFL_SIR_LRM_220160221T063919_20160221T070155_C001		
records For (Retracker 2) Surface Model Unavailable Height Error (Retracker 2) Hei	CS_OFFL_SIR_LRM_220160221T073719_20160221T075048_C001		
Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2) and a height error (Retracker 2) error (Retracker 2) and a height error (Retracker 2)	CS_OFFL_SIR_LRM_220160221T075236_20160221T080546_C001		
Retracker 2) and a neight end occurrence of a neight end occurrence of a neight end occurrence of the retracker 2 and a neight end occurrence of the retracker 2 and a neight end occurrence of the retracker 2 and a neight end occurrence of the retracker 2 and a neight end occurrence occ	CS_OFFL_SIR_LRM_220160221T080801_20160221T081244_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Error (Retracker 2) Backscatter error for Retracker 2 for one or more records Sp. OFFL_SIR_LRM_2_20160221T095825_20160221T1094023_C001 Sp. OFFL_SIR_LRM_2_20160221T102054_20160221T102053_C001 Sp. OFFL_SIR_LRM_2_20160221T102054_20160221T102053_C001 Sp. OFFL_SIR_LRM_2_20160221T102054_20160221T102053_C001 Sp. OFFL_SIR_LRM_2_20160221T102054_20160221T102054_C001 Sp. OFFL_SIR_LRM_2_20160221T102054_20160221T102054_C001 Sp. OFFL_SIR_LRM_2_20160221T102054_C0160221T1102054_C001 Sp. OFFL_SIR_LRM_2_20160221T102054_C0160221T1102054_C001 Sp. OFFL_SIR_LRM_2_20160221T10710_20160221T1102001 Sp. OFFL_SIR_LRM_2_20160221T113738_20160221T1102001 Sp. OFFL_SIR_LRM_2_20160221T113738_20160221T110001 Sp. OFFL_SIR_LRM_2_20160221T113738_20160221T110001 Sp. OFFL_SIR_LRM_2_20160221T11000021T1100001 Sp. OFFL_SIR_LRM_2_20160221T11000021T1100001 Sp. OFFL_SIR_LRM_2_20160221T11000021T1100000000000000000000	CS_OFFL_SIR_LRM_220160221T081827_20160221T082500_C001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height erro for Retracker 3 for one or more records
Error (Retracker 2) Height Error (Retracker 3) Backscatter Error (Retracker 3) for one or more records There is a height and backscatter error for Retracker 2 and a height error (Retracker 3). Backscatter Error (Retracker 2) Height Error	CS_OFFL_SIR_LRM_220160221T082509_20160221T085111_C001		<u> </u>
(Retracker 3), Backscatter Error (Retracker 3) and a height error (Retracker 2) and a height error (Retracker 3) and a height error	CS_OFFL_SIR_LRM_220160221T091141_20160221T094023_C001	Error (Retracker 2)	
Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3) and backscatter error for Retracker 2 and a height error (Retracker 3). Backscatter Error (Retracker 3) and backscatter error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error (Retracker 3). Backscatter Error (Retracker 3). Backscatter Error (Retracker 3). Backscatter Error (Retracker 2). Backscatter Error (Retracker 2)	CS_OFFL_SIR_LRM_220160221T095825_20160221T101613_C001	(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
(Retracker 2), Backscatter Error (Retracker 2) and a neight error (Retracker 2 and a neight error (Retracker 2) and a neight 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	CS_OFFL_SIR_LRM_220160221T102054_20160221T102813_C001		
Error (Retracker 2) Height Error (Retracker 2) H	CS_OFFL_SIR_LRM_220160221T104930_20160221T110456_C001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height erro for Retracker 3 for one or more records
Error (Retracker 2) SS_OFFL_SIR_LRM_2_20160221T115420_20160221T115227_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error for Retracker 2 for one or more records Sc_OFFL_SIR_LRM_2_20160221T1455457_20160221T152233_C001 Height Error (Retracker 2), Backscatter Error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a h	CS_OFFL_SIR_LRM_220160221T110710_20160221T112210_C001		
Error (Retracker 2) Height Error (Retracker 2), Backscatter Error	CS_OFFL_SIR_LRM_220160221T113738_20160221T115241_C001		
Error (Retracker 2) Height Error (Retracker 2), Backscatter Error	CS_OFFL_SIR_LRM_220160221T115420_20160221T115527_C001		_
Error (Retracker 2) Height Error (Retracker 2), Backscatter Error	CS_OFFL_SIR_LRM_220160221T123225_20160221T123825_C001		
Error (Retracker 2) Height Error (Retracker 2), Backscatter Error	CS_OFFL_SIR_LRM_220160221T123947_20160221T124216_C001		
Error (Retracker 2) Height Error (Retracker 2), Backscatter Error	CS_OFFL_SIR_LRM_220160221T124817_20160221T130403_C001		
Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Sc. OFFL_SIR_LRM_2_20160221T144519_20160221T144322_C001 Sc. OFFL_SIR_LRM_2_20160221T144830_20160221T145312_C001 Sc. OFFL_SIR_LRM_2_20160221T145551_20160221T152233_C001 Sc. OFFL_SIR_LRM_2_20160221T155457_20160221T152233_C001 Sc. OFFL_SIR_LRM_2_20160221T155457_20160221T162232_C001 Sc. OFFL_SIR_LRM_2_20160221T155457_20160221T162232_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height 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 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_220160221T131721_20160221T134018_C001		
Error (Retracker 2) Sufface Model Unavailable Height Error (Retracker 2), Backscatter	CS_OFFL_SIR_LRM_220160221T140602_20160221T140645_C001		
Height Error (Retracker 2), Backscatter Error (Retracker 2), Backs	CS_OFFL_SIR_LRM_220160221T141519_20160221T144322_C001		
Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20160221T155457_20160221T162232_C001 Error (Retracker 2) 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	CS_OFFL_SIR_LRM_220160221T144830_20160221T145312_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Error (Retracker 2) records SOURCE SIR LRM 2 201602211163511 201602211170417 C001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more	CS_OFFL_SIR_LRM_220160221T145551_20160221T152233_C001		-
	CS_OFFL_SIR_LRM_220160221T155457_20160221T162232_C001		•
	CS_OFFL_SIR_LRM_220160221T163511_20160221T170417_C001		

CS_OFFL_SIR_LRM_220160221T171142_20160221T171229_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error
00_0112_0110_2111111112_2010022111111220_0001	(Retracker 2) Height Error (Retracker 2), Height Error	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220160221T172626_20160221T180106_C001	(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_220160221T182251_20160221T182651_C001	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_220160221T184954_20160221T185231_C001	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_220160221T191746_20160221T194023_C001	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_220160221T195236_20160221T200617_C001	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_220160221T200805_20160221T202040_C001	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_220160221T204524_20160221T211851_C001	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_220160221T213655_20160221T220742_C001	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_220160221T222724_20160221T224143_C001	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_220160221T224219_20160221T225806_C001	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_220160221T231428_20160221T232432_C001	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_220160221T233051_20160221T234222_C001	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_SIN_220160220T235730_20160221T000343_C001	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_220160221T012813_20160221T013025_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T013506_20160221T013511_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T013653_20160221T014011_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T030746_20160221T030953_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T031406_20160221T031409_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T031750_20160221T031905_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T040750_20160221T040820_C001	SARIn X-track Angle Error, Surface model Unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_2_20160221T044715_20160221T044838_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T045319_20160221T045323_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T045655_20160221T045813_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T062657_20160221T062824_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T063346_20160221T063655_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T072514_20160221T072552_C001	SARIn X-track Angle Error, Surface model Unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_2_20160221T080639_20160221T080801_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T081245_20160221T081612_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T090815_20160221T090906_C001	SARIn X-track Angle Error, Surface model Unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_2_20160221T094722_20160221T094957_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T095150_20160221T095508_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T095610_20160221T095816_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T104234_20160221T104355_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T104711_20160221T104927_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T112246_20160221T112846_C001	SARIn X-track Angle Error, Surface model Unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_2_20160221T113104_20160221T113140_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T113601_20160221T113738_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T121657_20160221T121745_C001	SARIn X-track Angle Error, Surface model Unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_2_20160221T122158_20160221T122411_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T130448_20160221T130635_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160221T131507_20160221T131701_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T140111_20160221T140601_C001	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_220160221T144422_20160221T144543_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T144736_20160221T144830_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T145312_20160221T145527_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T153555_20160221T153618_C001	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_220160221T162352_20160221T162512_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T162529_20160221T162748_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T163343_20160221T163511_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
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CS_OFFL_SIR_SIN_2_20160221T171459_20160221T171522_C001	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_220160221T180343_20160221T180655_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T181214_20160221T181331_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T194224_20160221T194543_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T195111_20160221T195236_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T202910_20160221T202955_C001	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_220160221T211902_20160221T212047_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T212913_20160221T213053_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T220751_20160221T220922_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T221252_20160221T221349_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T221932_20160221T221947_C001	Height error 1	#N/A
CS_OFFL_SIR_SIN_220160221T225806_20160221T225948_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T230525_20160221T230532_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T230658_20160221T230911_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160221T235049_20160221T235303_C001	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