



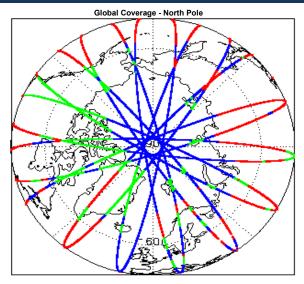
1. Overview

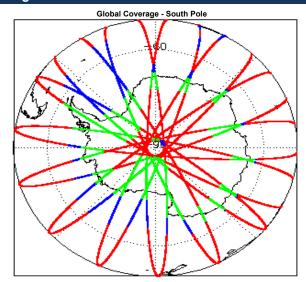
Report Production Date:	ate: 06-Mar-2018	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

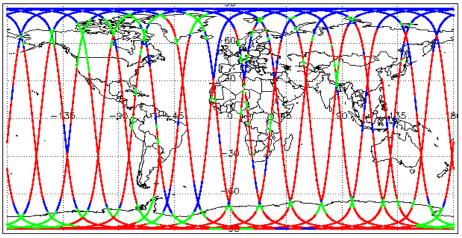
Oh I-	04-4
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary 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

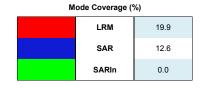
Mission / Instru	Mission / Instrument News				
03-Feb-2018	None				
04-Feb-2018	None				
05-Feb-2018	Nothing planned				

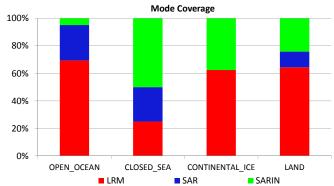
2. Global Coverage

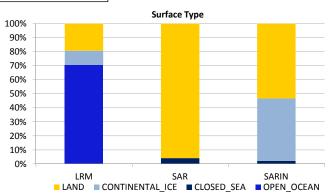












3. Instrument Configuration

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:

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 Calibration Usage Check

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

Number of products with errors: 0

4.5 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.

Number 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_20180204T025425_20180204T032851_C001		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: 105

Product	Test Failed	Description
CS OFFE SIR LRM 2 201802031235718 201802041000856 C001	_ ` ` ` . ` . `	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220180204T001444_20180204T001707_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records

Security (1994) 2. 2016;200710314 (2016) 2.000000000000000000000000000000000000		Height Error (Retracker 2), Height Error	Thous is a height and healgreather arranter Datasalary 2 and a height arran
GOVER, SER LINE 2. 2018/00/17/19/28 (2018/00/17/19/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/29/28 (2018/00/17/	CS_OFFL_SIR_LRM_220180204T002343_20180204T003841_C001		There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
GO OFFE, BRILLAN 2, 201800471101016, 20190047102000 COST GO OFFE, BRILLAN 2, 20180047102000 COST GO OFFE, BRILLAN 2, 20180047102000 COST GO OFFE, BRILLAN 2, 2018004710200 COST GO OFFE, BRILLAN 2	CS_OFFL_SIR_LRM_220180204T004021_20180204T005116_C001		
Section 1. 2016/2017/2018/2019/2019/2019/2019/2019/2019/2019/2019	CS_OFFL_SIR_LRM_220180204T011715_20180204T012425_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	
CS_OFF_SR_INLY_201802NT01931_C018001T02911_C019 CS_OFF_SR_INLY_201802NT01931_C018001T02911_C019 CS_OFF_SR_INLY_201802NT01932_C018001T02911_C019 CS_OFF_SR_INLY_201802NT01932_C018001T02910_C019 CS_OFF_SR_INLY_201802NT01932_C018001T02901_C019 CS_OFF_SR_INLY_201802NT01932_C018001T	CS_OFFL_SIR_LRM_220180204T012548_20180204T013036_C001	(Retracker 3), Backscatter Error	
Height Every Received 2, Disclaration Process 2, Disclaration Received	CS_OFFL_SIR_LRM_220180204T013319_20180204T014946_C001	(Retracker 3), Backscatter Error	
Fixed Extra (Linear 2) Discontinued and adoculant error for Research 2 for own or now interest and adoculant error for Research 2 for own or now interest and adoculant error for Research 2 for own or now interest and adoculant error for Research 2 for own or now interest and adoculant error for Research 2 for own or now interest	CS_OFFL_SIR_LRM_220180204T015231_20180204T020111_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Les Der J. Bill Link J. 2-eitilbochtscheit 20, 100-bescheit 20, 100-besche	CS_OFFL_SIR_LRM_2_20180204T020326_20180204T022558_C001		-
Les OFFL. SIN LEW 2. 20100001103101 (2010001100000 CO) CO OFFL. SIN LEW 2. 2010000103101 (20100001100000 CO) CO OFFL. SIN LEW 2. 20100000103101 (20100001100000 CO) CO OFFL. SIN LEW 2. 2010000103101 (20100001100000 CO) CO OFFL. SIN LEW 2. 20100001100000 CO) CO OFFL. SIN LEW 2. 20100001110000 CO) CO OFFL. SIN LEW 2. 201000001110000 CO) CO OFFL. SIN LEW 2. 201000001110000 CO) CO OFFL. SIN LEW 2. 20	CS_OFFL_SIR_LRM_220180204T025425_20180204T032851_C001		
Eq. CPFL_SILLEM 2_20100001105012_01000201105052_0000000000	CS_OFFL_SIR_LRM_2_20180204T032855_20180204T032909_C001		
SS_OFF_BIL_MIL_2_2018004T164822_2018004T165825_COI SS_OFF_BIL_MIL_2_2018004T165467_2018004T105482_COI SS_OFF_BIL_MIL_2_2018004T165467_2018004T105482_COI SS_OFF_BIL_MIL_2_2018004T165467_2018004T105482_COI SS_OFF_BIL_MIL_2_2018004T165467_2018004T105482_COI SS_OFF_BIL_MIL_2_2018004T165467_2018004T105482_COI SS_OFF_BIL_MIL_2_2018004T105482_COI SS_OFF_BIL_MIL_2_2018004T105482_COI SS_OFF_BIL_MIL_2_2018004T105482_COI SS_OFF_BIL_MIL_2_2018004T105482_COI SS_OFF_BIL_MIL_2_2018004T105800_COI SS_OFF_BIL_MIL_2_2018004T105800_	CS_OFFL_SIR_LRM_220180204T034151_20180204T040935_C001		-
GS_CFF_BRI_FMQ_201800A1708542_201802A1708525_001 GS_CFF_BRI_FMQ_201800A1708542_201802A1708505_001 GS_CFF_BRI_FMQ_201800A1708542_201802A1708505_001 GS_CFF_BRI_FMQ_201800A1708542_201802A1708505_001 GS_CFF_BRI_FMQ_201800A1708542_201802A1708505_001 GS_CFF_BRI_FMQ_201800A1708542_201802A1708505_001 GS_CFF_BRI_FMQ_201800A1708500_201802A1708500_001 GS_CFF_BRI_FMQ_201800A1708500_201802A1708500_001 GS_CFF_BRI_FMQ_201800A1708500_201802A1708500_001 GS_CFF_BRI_FMQ_201800A1708500_201802A1708500_001 GS_CFF_BRI_FMQ_201800A1708500_201802A1708500_001 GS_CFF_BRI_FMQ_201800A1708500_201802A1708500_001 GS_CFF_BRI_FMQ_201800A1708500_201802A1708500_001 GS_CFF_BRI_FMQ_201800A1708500_201802A1708500_001 GS_CFF_BRI_FMQ_201800A1708500_201802A1708500_001 GS_CFF_BRI_FMQ_201800A1712800_201802A1708500_001 GS_CFF_BRI_FMQ_201800A1712800_201802A1708500_001 GS_CFF_BRI_FMQ_201800A1712800_201802A1708500_001 GS_CFF_BRI_FMQ_201800A1712800_201802A1708500_001 GS_CFF_BRI_FMQ_201800A1712800_201802A1708500_001 GS_CFF_BRI_FMQ_201800A1712800_201802A170800_001 GS_CFF_BRI_FMQ_201800A1712800_201802A170800_001 GS_CFF_BRI_FMQ_201800A1712800_201802A170800_001 GS_CFF_BRI_FMQ_201800A1712800_201800A1712800_001 GS_CFF_BRI_FMQ_201800A1712800_201800A1712800_001 GS_CFF_BRI_FMQ_201800A1712800_201800A1712800_001 GS_CFF_BRI_FMQ_201800A1712800_201800A17128000_001 GS_CFF_BRI_FMQ_201800A1712800_201800A17128000_001 GS_CFF_BRI_FMQ_201800A1712800_201800A17128000_001 GS_CFF_BRI_FMQ_201800A1712800_201800A17128000_001 GS_CFF_BRI_FMQ_201800A1712800_201800A17128000_001 GS_CFF_BRI_FMQ_201800A1712800_201800A17128000_001 GS_CFF_BRI_FMQ_201800A17128000_001 GS_CFF_BRI_	CS_OFFL_SIR_LRM_220180204T043823_20180204T045054_C001		
Gestander 3, Backscatter From Personal Control Con	CS_OFFL_SIR_LRM_220180204T052119_20180204T054225_C001	(Retracker 3), Backscatter Error	
(Recrosiver 3), Bed-accounter From Programs (Programs 2), Bed-accounter From Programs 2) and a height entire (Petersolver 2) (Programs 2) and a height entire (Petersolver 2)	CS_OFFL_SIR_LRM_220180204T054237_20180204T054821_C001	(Retracker 3), Backscatter Error	
Find (Settacker 2) SOFT_SIR_LIMB 2_201602047107091 201602047109521 CO10 SOFT_SIR_LIMB 2_201602047100049 2016020471085216 CO10 SOFT_SIR_LIMB 2_2016020471085210 CO10 SOFT_SIR_LIMB 2_201602047102527 CO1000047105050 CO10 SOFT_SIR_LIMB 2_20160204710250 CO10 SOFT_SIR_LIMB 2_201602047105050 CO10 SOFT_SIR_LIMB 2_2016020471	CS_OFFL_SIR_LRM_220180204T055843_20180204T055935_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
Erro (Retrouber 2) For Cylland Land Land Land Land Land Land Land L	CS_OFFL_SIR_LRM_220180204T061211_20180204T064703_C001	Error (Retracker 2)	records
Envi (Retrocker 2) SOFT_SIR_LRM_2_20180004100000_20180004100004_0001 SOFT_SIR_LRM_2_20180004100001_20180004100004_0001 SOFT_SIR_LRM_2_20180004100001_20180004100004_0001 SOFT_SIR_LRM_2_20180004100001_20180004100004_0001 SOFT_SIR_LRM_2_20180004100001_20180004100004_0001 SOFT_SIR_LRM_2_20180004100001_20180004100004_0001 SOFT_SIR_LRM_2_201800041100001_20180004100004_0001 SOFT_SIR_LRM_2_201800041100001_20180004100004_0001 SOFT_SIR_LRM_2_201800041100001_201800041000004_0001 SOFT_SIR_LRM_2_201800041100001_201800041000004_0001 SOFT_SIR_LRM_2_201800041110000_0001 SOFT_SIR_LRM_2_201800041110000_0001 SOFT_SIR_LRM_2_201800041100000411000004_0001 SOFT_SIR_LRM_2_2018000411000000411000004110000000000000	CS_OFFL_SIR_LRM_220180204T070919_20180204T071018_C001	Error (Retracker 2)	-
Exp OFFIL_SIR_LEM_2_20180204T109022_20180204T109030_C001 CS_OFFIL_SIR_LEM_2_20180204T109032_18_20180204T109030_C001 CS_OFFIL_SIR_LEM_2_20180204T109032_18_20180204T109030_C001 CS_OFFIL_SIR_LEM_2_20180204T109032_18_20180204T109030_C001 CS_OFFIL_SIR_LEM_2_20180204T109032_18_20180204T109030_C001 CS_OFFIL_SIR_LEM_2_20180204T110903_C001 CS_OFFIL_SIR_LEM_2_20180204T110903_C001 CS_OFFIL_SIR_LEM_2_20180204T110903_C001 CS_OFFIL_SIR_LEM_2_20180204T110903_C001 CS_OFFIL_SIR_LEM_2_20180204T110903_C001 CS_OFFIL_SIR_LEM_2_20180204T10903_C001 CS_OFFIL_SIR_LEM_2_2018	CS_OFFL_SIR_LRM_220180204T080348_20180204T082551_C001	Error (Retracker 2)	records
Erro (Retracker 2) is backscatter from for Retracker 2 and a height error (Retracker 3 for one or more excords for Retracker 2 for one or more excords for Retracker 3 for Retracker 3 for one or more excords	CS_OFFL_SIR_LRM_220180204T083920_20180204T085218_C001	Error (Retracker 2)	
(Retracker 2), Backscatter room (Retracker 2), Backscatter roo	CS_OFFL_SIR_LRM_220180204T085406_20180204T090118_C001	Error (Retracker 2)	
Error (Reflancker 2) Height Er	CS_OFFL_SIR_LRM_220180204T090201_20180204T090640_C001	(Retracker 3), Backscatter Error (Retracker 2)	
GS_OFFL_SIR_LRM_2_20180204T11354_20180204T1259_C001 Reprinted From (Retracker 2), Height Error (Retracker 2) and a height error (Retracker 3). Backscatter Error (Retracker 2). Backscatter Error (Re	CS_OFFL_SIR_LRM_220180204T093218_20180204T100459_C001		
GS_OFFL_SIR_LRM_2_20180204T11384_20180204T112619_C001 CS_OFFL_SIR_LRM_2_20180204T12623_20180204T12103_C001 CS_OFFL_SIR_LRM_2_20180204T120014_20180204T12103_C001 CS_OFFL_SIR_LRM_2_20180204T121623_20180204T1203_C001 CS_OFFL_SIR_LRM_2_20180204T120004_20180204T120043_C001 CS_OFFL_SIR_LRM_2_20180204T130400_20180204T130843_C001 CS_OFFL_SIR_LRM_2_20180204T130800_201130284_C001 CS_OFFL_SIR_LRM_2_20180204T130802_20180204T130843_C001 CS_OFFL_SIR_LRM_2_20180204T130820_20180204T13080_C001 CS_OFFL_SIR_LRM_2_20180204T130820_20180204T13080_C001 CS_OFFL_SIR_LRM_2_20180204T14820_20180204T14028_C001 CS_OFFL_SIR_LRM_2_20180204T14505_20180204T14508_C001 CS_OFFL_SIR_LRM_2_20180204T14505_20180204T160525_C001 CS_OFFL_SIR_LRM_2_20180204T16513_20180204T160525_C001 CS_OFFL_SIR_LRM_2_20180204T1653_20180204T160525_C001 CS_OFFL_SIR_LRM_2_20180204T1653_20180204T160525_C001 CS_OFFL_SIR_LRM_2_20180204T1653_20180204T160525_C001 CS_OFFL_SIR_LRM_2_20180204T1653_20180204T160525_C001 CS_OFFL_SIR_LRM_2_20180204T1653_20180204T160525_C001 CS_OFFL_SIR_LRM_2_20180204T1653_20180204T160525_C001 CS_OFFL_SIR_LRM_2_20180204T1653_20180204T160525_C001 CS_OFFL_SIR_LRM_2_20180204T1653_20180204T160525_C001 CS_OFFL_SIR_LRM_2_20180204T1653_20180204T160525_C001 CS_OFFL_SIR_LRM_2_20180204T160601_20180204T160520_C001 CS_OFFL_SIR_LRM_2_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20180204T160601_20	CS_OFFL_SIR_LRM_220180204T102257_20180204T105305_C001	Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_201802041120014_20180204172033_C001 Enror (Retracker 2), Backscatter from (Retracker 2) and backscatter error for Retracker 2 or one or more records from (Retracker 2). Backscatter from (Retracker 2) and backscatter error for Retracker 2 or one or more records from (Retracker 2). Backscatter from (CS_OFFL_SIR_LRM_220180204T111354_20180204T112619_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
Enror (Retracker 2). Backscatter error for Retracker 2 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 for one or more records Ferror (Retracker 2). Height Error (Retracker 3). Backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 for one or more records Ferror (Retracker 2). Backscatter error for Retracker 2 for on	CS_OFFL_SIR_LRM_220180204T112823_20180204T114408_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20180204T130842_20180204T140842_C001 CS_OFFL_SIR_LRM_2_20180204T130852_20180204T141024_C001 CS_OFFL_SIR_LRM_2_20180204T141237_20180204T141024_C001 CS_OFFL_SIR_LRM_2_20180204T141237_20180204T141024_C001 CS_OFFL_SIR_LRM_2_20180204T141237_20180204T141024_C001 CS_OFFL_SIR_LRM_2_20180204T141237_20180204T141024_C001 CS_OFFL_SIR_LRM_2_20180204T141237_20180204T15055_C001 CS_OFFL_SIR_LRM_2_20180204T16536_20180204T150455_C001 CS_OFFL_SIR_LRM_2_20180204T16531_20180204T164154_C001 CS_OFFL_SIR_LRM_2_20180204T16531_20180204T164154_C001 CS_OFFL_SIR_LRM_2_20180204T16531_20180204T164154_C001 CS_OFFL_SIR_LRM_2_20180204T16501_20180204T165210_C001 CS_OFFL_SIR_LRM_2_20180204T16501_20180204T170843_C001 CS_OFFL_SIR_LRM_2_20180204T16501_20180204T170843_C001 CS_OFFL_SIR_LRM_2_20180204T16501_20180204T170843_C001 CS_OFFL_SIR_LRM_2_20180204T171219_20180204T170843_C001 CS_OFFL_SIR_LRM_2_20180204T171219_20180204T10001 CS_OFFL_SIR_LRM_2_20180204T16501_20180204T10001 CS_OFFL_SIR_LRM_2_20180204T171219_20180204T10001 CS_OFFL_SIR_LRM_2_20180204T16501_20180204T10001 CS_OFFL_SIR_LRM_2_20180204T16501_20180204T10001 CS_OFFL_SIR_LRM_2_20180204T16501_20180204T10001 CS_OFFL_SIR_LRM_2_20180204T16501_20180204T100001 CS_OFFL_SIR_LRM_2_20180204T165001_20180204T100001 CS_OFFL_SIR_LRM_2_20180204T182332_20180204T1000001 CS_OFFL_SIR_LRM_2_20180204T192747_20180204T10000001 CS_OFFL_SIR_LRM_2_20180204T192747_20180204T10000000000000000000000000000000000	CS_OFFL_SIR_LRM_220180204T120014_20180204T121033_C001	Error (Retracker 2)	records
Error (Retracker 2) S_OFFL_SIR_LRM_2_20180204T130822_20180204T14024_C001 CS_OFFL_SIR_LRM_2_20180204T141237_20180204T141237_C001 CS_OFFL_SIR_LRM_2_20180204T141237_20180204T141237_C001 CS_OFFL_SIR_LRM_2_20180204T14183820_20180204T14428_C001 CS_OFFL_SIR_LRM_2_20180204T165836_20180204T150428_C001 CS_OFFL_SIR_LRM_2_20180204T165836_20180204T16428_C001 CS_OFFL_SIR_LRM_2_20180204T166831_20180204T164184_C001 CS_OFFL_SIR_LRM_2_20180204T164832_20180204T164184_C001 CS_OFFL_SIR_LRM_2_20180204T164834_20180204T165210_C001 CS_OFFL_SIR_LRM_2_20180204T164834_20180204T165210_C001 CS_OFFL_SIR_LRM_2_20180204T165801_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T170544_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T176544_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T176544_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T176544_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T176544_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T176544_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T176544_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T176544_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T176544_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T176544_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T170643_20104 CS_OFFL_SIR_LRM_2_20180204T170643_20104 CS_OFFL_SIR_LRM_2_20180204T170643_20104 CS_OFFL_SIR_LRM_2_20180204T170643_20104 CS_OFFL_SIR_LRM_2_20180204T170644_20104 CS_OFFL_SIR_LRM_2_20180204T170644_20104 CS_OFFL_SIR_LRM_2_20180204T170644 CS_OFFL_SIR_LRM_2_20180204T10644 CS_OFFL_SIR_LRM_2_20180204T10644 CS_OFFL_SIR_	CS_OFFL_SIR_LRM_220180204T121652_20180204T122742_C001	Error (Retracker 2)	records
Error (Retracker 2). Backscatter	CS_OFFL_SIR_LRM_220180204T130400_20180204T130643_C001	Error (Retracker 2)	records
Error (Retracker 2) Error	CS_OFFL_SIR_LRM_220180204T130822_20180204T132254_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20180204T14382_20180204T1555_CO01 CS_OFFL_SIR_LRM_2_20180204T151536_20180204T15428_CO01 CS_OFFL_SIR_LRM_2_20180204T161631_20180204T164154_CO01 CS_OFFL_SIR_LRM_2_20180204T161631_20180204T164154_CO01 CS_OFFL_SIR_LRM_2_20180204T16631_20180204T164154_CO01 CS_OFFL_SIR_LRM_2_20180204T164843_20180204T165210_CO01 CS_OFFL_SIR_LRM_2_20180204T165001_20180204T16520_CO01 CS_OFFL_SIR_LRM_2_20180204T165001_20180204T170643_CO01 CS_OFFL_SIR_LRM_2_20180204T171219_20180204T170643_CO01 CS_OFFL_SIR_LRM_2_20180204T171219_20180204T172950_CO01 CS_OFFL_SIR_LRM_2_20180204T175544_20180204T182907_CO01 CS_OFFL_SIR_LRM_2_20180204T182332_20180204T182907_CO01 CS_OFFL_SIR_LRM_2_20180204T182332_20180204T182907_CO01 CS_OFFL_SIR_LRM_2_20180204T183509_20180204T190819_CO01 CS_OFFL_SIR_LRM_2_20180204T183509_20180204T190819_CO01 CS_OFFL_SIR_LRM_2_20180204T192477_20180204T192828_CO01 CS_OFFL_SIR_LRM_2_20180204T192477_20180204T192828_CO01 CS_OFFL_SIR_LRM_2_20180204T192477_20180204T192828_CO01 CS_OFFL_SIR_LRM_2_20180204T192477_20180204T192828_CO01 CS_OFFL_SIR_LRM_2_20180204T1936_20180204T190819_CO01 CS_OFFL_SIR_LRM_2_20180204T1936_20180204T190819_CO01 CS_OFFL_SIR_LRM_2_20180204T1936_20180204T190819_CO01 CS_OFFL_SIR_LRM_2_20180204T1936_20180204T200048_CO01 CS_OFFL_SIR_LRM_2_20180204T1936_20180204T200048_CO01 CS_OFFL_SIR_LRM_2_20180204T19136_20180204T204807_CO01 CS_OFFL_SIR_LRM_2_20180204T20136_20180204T204807_CO01 CS_OFFL_SIR_LRM_2_20180204T20136_20180204T204807_CO01 CS_OFFL_SIR_LRM_2_20180204T21120_20180204T211701_CO01 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_CO01 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_CO01 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_CO01 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_CO01 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_CO01 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_CO01 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_CO01 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_CO01 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_	CS_OFFL_SIR_LRM_220180204T133636_20180204T141024_C001	Error (Retracker 2)	records
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20180204T151536_20180204T164154_C001 CS_OFFL_SIR_LRM_2_20180204T161631_20180204T16454_C001 CS_OFFL_SIR_LRM_2_20180204T161631_20180204T165210_C001 CS_OFFL_SIR_LRM_2_20180204T165601_20180204T165210_C001 CS_OFFL_SIR_LRM_2_20180204T165601_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T17219_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T17219_20180204T172950_C001 CS_OFFL_SIR_LRM_2_20180204T175544_20180204T180282_C001 CS_OFFL_SIR_LRM_2_20180204T175544_20180204T180297_C001 CS_OFFL_SIR_LRM_2_20180204T183302_20180204T180297_C001 CS_OFFL_SIR_LRM_2_20180204T183509_20180204T190819_C001 CS_OFFL_SIR_LRM_2_20180204T192747_20180204T192828_C001 CS_OFFL_SIR_LRM_2_20180204T192747_20180204T192828_C001 CS_OFFL_SIR_LRM_2_20180204T193036_20180204T190809_C001 CS_OFFL_SIR_LRM_2_20180204T193036_20180204T10048_C001 CS_OFFL_SIR_LRM_2_20180204T193036_20180204T10048_C001 CS_OFFL_SIR_LRM_2_20180204T193036_20180204T10048_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T204807_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T204807_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T204807_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T204807_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T204807_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T204807_C001 CS_OFFL_SIR_LRM_2_20180204T21336_20180204T204807_C001 CS_OFFL_SIR_LRM_2_20180204T21336_20180204T204807_C001 CS_OFFL_SIR_LRM_2_20180204T21336_20180204T204807_C001 CS_OFFL_SIR_LRM_2_20180204T21336_20180204T204807_C001 CS_OFFL_SIR_LRM_2_20180204T21336_20180204T204807_C001 CS_OFFL_SIR_LRM_2_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 CS_OFFL_SIR_LRM_2_20180204T211757_00180204T213534_C001 CS_OFFL_SIR_LRM_2_20180204T211757_0180204T213534_C001 CS_OFFL_SIR_LRM_2_20180204T211757_0180204T213534_C001 CS_OFFL_SIR_LRM_2_20180204T211757_0180204T213534_C001	CS_OFFL_SIR_LRM_220180204T141237_20180204T141329_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20180204T161631_20180204T164428_C001 CS_OFFL_SIR_LRM_2_20180204T164843_20180204T165210_C001 CS_OFFL_SIR_LRM_2_20180204T164843_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T171219_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T171219_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T171219_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T171219_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T171219_20180204T172950_C001 CS_OFFL_SIR_LRM_2_20180204T171219_20180204T180228_C001 CS_OFFL_SIR_LRM_2_20180204T182332_20180204T180228_C001 CS_OFFL_SIR_LRM_2_20180204T183509_20180204T18028_C001 CS_OFFL_SIR_LRM_2_20180204T183509_20180204T198282_C001 CS_OFFL_SIR_LRM_2_20180204T192747_20180204T192828_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T192828_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T108028_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T108048_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T10828_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T108048_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T20048_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T20048_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T20048_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T213534_C001 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 CS_OFFL_SIR_LRM_2_20180204T211757_2	CS_OFFL_SIR_LRM_220180204T143820_20180204T150255_C001	Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20180204T161631_20180204T16210_C001 CS_OFFL_SIR_LRM_2_20180204T164843_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T171219_20180204T170643_C001 CS_OFFL_SIR_LRM_2_20180204T171219_20180204T172950_C001 CS_OFFL_SIR_LRM_2_20180204T171219_20180204T172950_C001 CS_OFFL_SIR_LRM_2_20180204T175544_20180204T180228_C001 CS_OFFL_SIR_LRM_2_20180204T182332_20180204T180290T_C001 CS_OFFL_SIR_LRM_2_20180204T182332_20180204T180290T_C001 CS_OFFL_SIR_LRM_2_20180204T182332_20180204T190819_C001 CS_OFFL_SIR_LRM_2_20180204T192747_20180204T192828_C001 CS_OFFL_SIR_LRM_2_20180204T192747_20180204T192828_C001 CS_OFFL_SIR_LRM_2_20180204T192747_20180204T192828_C001 CS_OFFL_SIR_LRM_2_20180204T19119_20180204T100048_C001 CS_OFFL_SIR_LRM_2_20180204T19119_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T20100048 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 CS_OFFL_SIR_LRM_2_20180204T211757_	CS_OFFL_SIR_LRM_220180204T151536_20180204T154428_C001	(Retracker 3), Backscatter Error (Retracker 2)	
Height Error (Retracker 2), Backscatter Error (Retracker 2) and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20180204T171219_20180204T172950_C001 CS_OFFL_SIR_LRM_2_20180204T175544_20180204T180228_C001 CS_OFFL_SIR_LRM_2_20180204T175544_20180204T180228_C001 CS_OFFL_SIR_LRM_2_20180204T182332_20180204T180207_C001 CS_OFFL_SIR_LRM_2_20180204T182332_20180204T180907_C001 CS_OFFL_SIR_LRM_2_20180204T183509_20180204T190819_C001 CS_OFFL_SIR_LRM_2_20180204T192747_20180204T192828_C001 CS_OFFL_SIR_LRM_2_20180204T192747_20180204T192828_C001 CS_OFFL_SIR_LRM_2_20180204T192747_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T204807_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T201701_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T21701_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T213534_C001 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2),	CS_OFFL_SIR_LRM_220180204T161631_20180204T164154_C001	(Retracker 3), Backscatter Error	
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20180204T171219_20180204T172950_C001 CS_OFFL_SIR_LRM_2_20180204T175544_20180204T180228_C001 CS_OFFL_SIR_LRM_2_20180204T182332_20180204T182907_C001 CS_OFFL_SIR_LRM_2_20180204T182332_20180204T182907_C001 CS_OFFL_SIR_LRM_2_20180204T182332_20180204T182907_C001 CS_OFFL_SIR_LRM_2_20180204T183509_20180204T190819_C001 CS_OFFL_SIR_LRM_2_20180204T192747_20180204T192828_C001 CS_OFFL_SIR_LRM_2_20180204T192747_20180204T192828_C001 CS_OFFL_SIR_LRM_2_20180204T192747_20180204T192828_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T204807_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T204807_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211707_20180204T213534_C001 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 Error (Retracker 2), Backscatter 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 for Retracker 3 for one or mo	CS_OFFL_SIR_LRM_220180204T164843_20180204T165210_C001		·
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20180204T182332_20180204T182907_C001 CS_OFFL_SIR_LRM_2_20180204T182332_20180204T182907_C001 CS_OFFL_SIR_LRM_2_20180204T183509_20180204T190819_C001 CS_OFFL_SIR_LRM_2_20180204T182747_20180204T190819_C001 CS_OFFL_SIR_LRM_2_20180204T192747_20180204T192828_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T2014807_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) and a height 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 and a height error (Retracker 2),	CS_OFFL_SIR_LRM_220180204T165601_20180204T170643_C001	Error (Retracker 2)	records
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20180204T182332_20180204T182907_C001 Surface Model Unavailable Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3) for one or more records CS_OFFL_SIR_LRM_2_20180204T192747_20180204T192828_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T204807_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 Error (Retracker 2) 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 and a height error (Retracker 2). Backscatter Error (Retracker 2). Height Error (Retracker 3). Backscatter Error (Retracker 3). Backscatte	CS_OFFL_SIR_LRM_220180204T171219_20180204T172950_C001	Error (Retracker 2)	records
Height Error (Retracker 2), Height Error (Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20180204T192828_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3) for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records	CS_OFFL_SIR_LRM_220180204T175544_20180204T180228_C001		-
CS_OFFL_SIR_LRM_2_20180204T192747_20180204T192828_C001 CS_OFFL_SIR_LRM_2_20180204T192747_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T194139_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T2014807_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T213534_C001 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 CS_OFFL_SIR_LRM_2_30180204T211757_20180204T213534_C001 CS_OFFL_SIR_LRM_2_30180204T21	CS_OFFL_SIR_LRM_220180204T182332_20180204T182907_C001		No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20180204T194139_20180204T200048_C001 CS_OFFL_SIR_LRM_2_20180204T201336_20180204T204807_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T2014807_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) and a height error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3) and a height error (Retracker 3), Backscatter Error (Retracker 3	CS_OFFL_SIR_LRM_2_20180204T183509_20180204T190819_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20180204T201336_20180204T204807_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backsc	CS_OFFL_SIR_LRM_220180204T192747_20180204T192828_C001	Error (Retracker 2)	records
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2) Height Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscat	CS_OFFL_SIR_LRM_220180204T194139_20180204T200048_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001 (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backs	CS_OFFL_SIR_LRM_220180204T201336_20180204T204807_C001	Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20180204T211757_20180204T213534_C001 (Retracker 3), Backscatter Error (Retracker 2) (Retracker 3) For one or more records	CS_OFFL_SIR_LRM_2_20180204T211240_20180204T211701_C001	(Retracker 3), Backscatter Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20180204T214504_20180204T214706_C001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records	CS_OFFL_SIR_LRM_220180204T211757_20180204T213534_C001	(Retracker 3), Backscatter Error	
	CS_OFFL_SIR_LRM_220180204T214504_20180204T214706_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records

CS_OFFL_SIR_LRM_220180204T215409_20180204T221312_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 for Retracker 3 for one or more records	
CS_OFFL_SIR_LRM_220180204T221604_20180204T222316_C001	(Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more	
CS OFFL SIR LRM 2 20180204T224307 20180204T230106 C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter		
	Error (Retracker 2) Height Error (Retracker 2), Backscatter		
CS_OFFL_SIR_LRM_220180204T230222_20180204T231611_C001	Error (Retracker 2) Height Error (Retracker 2), Height Error	records There is a height and backscatter error for Retracker 2 and a height error	
CS_OFFL_SIR_LRM_220180204T233300_20180204T234833_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	for Retracker 3 for one or more records	
CS_OFFL_SIR_LRM_220180204T235034_20180204T235957_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_SIN_2_20180204T000856_20180204T001444_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_2_20180204T001708_20180204T001738_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T002201_20180204T002339_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T010256_20180204T010356_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_20180204T010801_20180204T011012_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_2_20180204T015049_20180204T015230_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T020111_20180204T020316_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T024713_20180204T025201_C001	SARIn X-track Angle Error, Surface	An ambiguous angle was detected for SARIn mode and no DEM or Slope	
CS_OFFL_SIR_SIN_2_20180204T033024_20180204T033148_C001	Model Unavailable SARIn X-track Angle Error	Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more	
CS_OFFL_SIR_SIN_2 _20180204T033335_20180204T033435_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more	
CS_OFFL_SIR_SIN_220180204T033905_20180204T034126_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more	
	_	records An ambiguous angle was detected for SARIn mode for one or more	
CS_OFFL_SIR_SIN_220180204T050958_20180204T051351_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more	
CS_OFFL_SIR_SIN_220180204T051943_20180204T052109_C001	SARIn X-track Angle Error SARIn X-track Angle Error, Surface	records An ambiguous angle was detected for SARIn mode and no DEM or Slope	
CS_OFFL_SIR_SIN_220180204T060055_20180204T060121_C001	Model Unavailable	Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more	
CS_OFFL_SIR_SIN_220180204T064945_20180204T065258_C001	SARIn X-track Angle Error	records	
CS_OFFL_SIR_SIN_220180204T065814_20180204T065924_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T082726_20180204T083139_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T083713_20180204T083838_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T091648_20180204T092050_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T100507_20180204T100640_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T101501_20180204T101645_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T105305_20180204T105446_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T105851_20180204T105946_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T114412_20180204T114554_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T115126_20180204T115133_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T115257_20180204T115515_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T123647_20180204T123900_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_20180204T132311_20180204T132506_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more	
CS OFFL SIR SIN 2 20180204T133025 20180204T133030 C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more	
CS_OFFL_SIR_SIN_220180204T133040_20180204T133047_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more	
CS_OFFL_SIR_SIN_2 _20180204T133153_20180204T133540_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more	
CS_OFFL_SIR_SIN_220180204T133542_20180204T133631_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more	
	SARIn X-track Angle Error, Surface	records An ambiguous angle was detected for SARIn mode and no DEM or Slope	
CS_OFFL_SIR_SIN_220180204T142242_20180204T142315_C001	Model Unavailable	Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more	
CS_OFFL_SIR_SIN_220180204T150321_20180204T150551_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more	
CS_OFFL_SIR_SIN_220180204T150922_20180204T150929_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIII mode for one or more	
CS_OFFL_SIR_SIN_220180204T151312_20180204T151456_C001	SARIn X-track Angle Error	records	
CS_OFFL_SIR_SIN_220180204T164203_20180204T164334_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T164836_20180204T164843_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T165210_20180204T165345_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
CS_OFFL_SIR_SIN_220180204T174052_20180204T174118_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_220180204T182218_20180204T182332_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records	
	0.51 71 1.5	An ambiguous angle was detected for SARIn mode for one or more	
CS_OFFL_SIR_SIN_220180204T182908_20180204T183101_C001	SARIn X-track Angle Error	records	
CS_OFFL_SIR_SIN_220180204T182908_20180204T183101_C001 CS_OFFL_SIR_SIN_220180204T183109_20180204T183225_C001	SARIn X-track Angle Error SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more records	

CS_OFFL_SIR_SIN_220180204T192051_20180204T192116_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_220180204T200132_20180204T200254_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180204T200803_20180204T201112_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180204T214221_20180204T214504_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180204T214706_20180204T215234_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180204T223757_20180204T224230_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180204T232615_20180204T232725_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180204T233116_20180204T233256_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records

6. QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_LRM_1B	161	161	161	0	0
SIR_LRM_2	161	161	161	0	0
SIR_LRMI2_	161	161	161	0	0
SIR_SAR_1B	121	121	121	0	0
SIR_SAR_2	121	121	121	0	0
SIR_SARI2_	121	121	121	0	0
SIR_SIN_1B	111	111	111	0	0
SIR_SIN_2	111	111	111	0	0
SIR_SINI2	111	111	111	0	0
SIR_GDR_2	14	14	14	0	0

6.1 QCC Errors

Number of products with QCC errors:

0

6.2 QCC Warnings

Number of QCC reports with warnings

0

6.2 Missing QCC Reports

Number of products with missing QCC reports:

205