



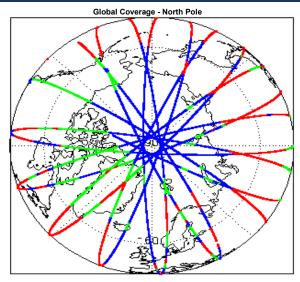
1. Overview

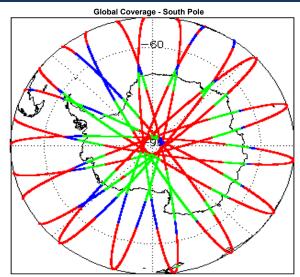
Report Production Date:	20-Feb-2017	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

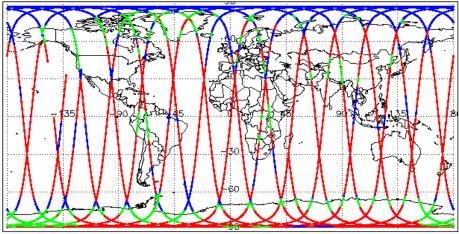
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2 and 5.2
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary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

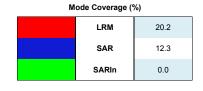
Mission / Instru	Mission / Instrument News			
20-Jan-2017	None			
21-Jan-2017	None			
22-Jan-2017	Nothing planned			

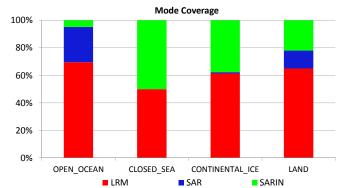
2. Global Coverage

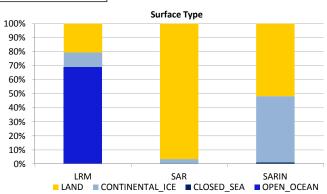












3. Instrument Configuration

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_20170121T125052_20170121T125054_C001	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OFFL_SIR_SAR_1B_20170121T174352_20170121T174353_C001	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.

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:

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:

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_220170121T125052_20170121T125054_C001	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OFFL_SIR_SAR_220170121T174352_20170121T174353_C001	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:

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.

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

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:

Light Fig. Alleady 2. Determinations (2014) Opt 1961 (1962) 2. Proportion for the property of	Product	Test Failed	Description
Part	CS_OFFL_SIR_LRM_2_20170120T235414_20170121T000945_C001		There is a height and backscatter error for Retracker 2 for one or more
Beginner (Service A) Commission (1992) 2. 2019 DETERMINED 2019 DETERMINED COMMISSION (1992) 2. 201	CS_OFFL_SIR_LRM_220170121T001515_20170121T002614_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Co-OPT_80_180_2_2010001110364_201001110364_C010 CR_0PT_80_180_2_2010001110364_20100110364_C010 CR_0PT_80_180_2_2010001110364_20100110364_C010 CR_0PT_80_180_2_2010001110364_20100110364_C010 CR_0PT_80_180_2_2010001110364_20100110364_C010 CR_0PT_80_180_2_2010001110364_20100110364_C010 CR_0PT_80_180_2_2010001110364_20100110364_C010 CR_0PT_80_180_2_2010001110364_20100110364_C010 CR_0PT_80_180_2_2010001110364_20100110364_C010 CR_0PT_80_180_2_2010001110364_201001 CR_0PT_80_180_2_2010001110364_2010010110364_201001 CR_0PT_80_180_2_2010001110364_2010010110364_201001 CR_0PT_80_180_2_2010001110364_2010010110364_201001 CR_0PT_80_180_2_2010001110364_2010010110364_201001 CR_0PT_80_180_2_2010001110364_2010010110364_2010010110364_2010010110364_2010010110364_2010010110364_2010010110364_2010010110364_2010010110364_2010010110364_2010010110364_2010010110364_2010010110364_2010010110364_2010010110364_2	CS_OFFL_SIR_LRM_2_20170121T011734_20170121T011822_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Co. Comp. pin. mil.	CS_OFFL_SIR_LRM_2_20170121T013134_20170121T020600_C001	(Retracker 3), Backscatter Error	
Section Sect	CS_OFFL_SIR_LRM_220170121T021857_20170121T024721_C001	Height Error (Retracker 2), Backscatter	*
CRUPPER JENEZ _20171217100004_20191 CRUPPE JENEZ _2017121710004_20191 CRUPPE JENEZ _2017121710004_20191 CRUPPE JENEZ _2017121710004_20191 CRUP	CS_OFFL_SIR_LRM_220170121T024844_20170121T024854_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFF_SR_LEN_2_20170121109052_2017021109055_COST CS_OFF_SR_LEN_2_20170121109052_2017021109055_COST CS_OFF_SR_LEN_2_20170121109052_2017021109055_COST CS_OFF_SR_LEN_2_20170121109052_2017021109055_COST CS_OFF_SR_LEN_2_20170121109052_2017021109055_COST CS_OFF_SR_LEN_2_20170121109052_2017021109055_COST CS_OFF_SR_LEN_2_20170121109052_2017021109055_COST CS_OFF_SR_LEN_2_20170121109052_2017021109055_COST CS_OFF_SR_LEN_2_20170121109052_2017021109052_COST CS_OFF_SR_LEN_2_20170121109052_20170121109052_COST CS_OFF_SR_LEN_2_201701211109052_20170121109052_COST CS_OFF_SR_LEN_2_201701211109052_20170121110905_COST CS_OFF_SR_LEN_2_201701211109052_20170121110905_COST CS_OFF_SR_LEN_2_201701211109052_20170121110905_COST CS_OFF_SR_LEN_2_20170121110905_20170121110905_COST CS_OFF_SR_LEN_2_20170121110905_20170121110905_COST CS_OFF_SR_LEN_2_20170121110905_20170121110905_COST CS_OFF_SR_LEN_2_20170121110905_20170121110905_COST CS_OFF_SR_LEN_2_20170121110905_20170121110905_COST CS_OFF_SR_LEN_2_201701211110905_20170121110905_COST CS_OFF_SR_LEN_2_20170121110905_20170121110905_COST CS_OFF_SR_LEN_2_20170121110905_20170121110905_COST CS_OFF_SR_LEN_2_201701211110905_20170121110905_COST CS_OFF_SR_LEN_2_201701211110905_20170121110905_COST CS_OFF_SR_LEN_2_2017	CS_OFFL_SIR_LRM_220170121T031031_20170121T033849_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
CS_OFFL_SRL_PAL_2_28179121100002_20179121100004_COIN register for processors of the control of Residence 2 and a height serie (Residence 2) and a height serie (Res	CS_OFFL_SIR_LRM_220170121T035804_20170121T043434_C001	Height Error (Retracker 2), Backscatter	
CS_OFFL_SRLEND0077021795602_207021700355_0001 SR_GREATER CS_OFFL_SRLEND0077021705602_207001700355_0001 CS_OFFL_SRLEND0077021705602_2070021700355_0001 CS_OFFL_SRLEND0077021705602_2070021700355_2001 CS_OFFL_SRLEND0077021705602_2070021700355_2001 CS_OFFL_SRLEND0077021705602_2070021700355_2001 CS_OFFL_SRLEND0077021705602_2070021700355_2001 CS_OFFL_SRLEND0077021705602_2070021700355_2001 CS_OFFL_SRLEND0077021705602_2070021700355_2001 CS_OFFL_SRLEND0077021705602_207002170035_2001 CS_OFFL_SRLEND0077021705602_207002170035_2001 CS_OFFL_SRLEND0077021705602_207002170035_20000000000000000000000000000000000	CS_OFFL_SIR_LRM_220170121T045154_20170121T050448_C001	(Retracker 3), Backscatter Error	
SCOPEL SIN LEW 2. DOTPOSITIONED 20170121TORES 20170121TORE	CS_OFFL_SIR_LRM_220170121T050602_20170121T052354_C001	(Retracker 3), Backscatter Error	
SC_OFFL_SRL_IM_2_DITROLITIONS_D	CS_OFFL_SIR_LRM_220170121T054155_20170121T055422_C001		
CS_OFFL_SRL_PM_2_20170121106432_00100121106432_0010 CS_OFFL_SRL_PM_2_20170121106432_00100121106442_0010 CS_OFFL_SRL_PM_2_20170121106032_0010121106444_0010 CS_OFFL_SRL_PM_2_20170121106032_0010121106444_0010 CS_OFFL_SRL_PM_2_20170121106432_0010121106342_0010 CS_OFFL_SRL_PM_2_20170121106432_0010121106352_0010 CS_OFFL_SRL_PM_2_20170121106432_0010121106352_0010 CS_OFFL_SRL_PM_2_20170121106432_0010121106352_0010 CS_OFFL_SRL_PM_2_20170121106432_0010121106350_0010 CS_OFFL_SRL_PM_2_20170121106632_0010121106350_0010 CS_OFFL_SRL_PM_2_20170121106632_0010121106350_0010 CS_OFFL_SRL_PM_2_20170121106632_0010121106350_0010 CS_OFFL_SRL_PM_2_20170121106632_0010121106350_0010 CS_OFFL_SRL_PM_2_20170121106632_00101211106350_0010 CS_OFFL_SRL_PM_2_201701211106632_00101211106350_0010 CS_OFFL_SRL_PM_2_201701211106632_00101211106350_0010 CS_OFFL_SRL_PM_2_201701211106632_00101211106350_0010 CS_OFFL_SRL_PM_2_201701211106632_00101211106350_0010 CS_OFFL_SRL_PM_2_201701211106630_00101211106350_0010 CS_OFFL_SRL_PM_2_201701211106630_00101211106350_0010 CS_OFFL_SRL_PM_2_201701211106630_00101211106350_0010 CS_OFFL_SRL_PM_2_201701211106630_00101211106350_0010 CS_OFFL_SRL_PM_2_201701211106630_00101211106350_0010 CS_OFFL_SRL_PM_2_201701211106630_00101211106350_0010 CS_OFFL_SRL_PM_2_201701211106630_00101211106350_0010 CS_OFFL_SRL_PM_2_201701211106630_00101211120647_0010 CS_OFFL_SRL_PM_2_20170121110640_00101211120647_0010 CS_OFFL_SRL_PM_2_201701211110640_00101211120647_0010 CS_OFFL_SRL_PM_2_201701211110640_00101211120647_0010 CS_OFFL_SRL_PM_2_201701211110640_00101211120647_0010 CS_OFFL_SRL_PM_2_201701211110640_00101211120647_0010 CS_OFFL_SRL_PM_2_201701211110640_00101211120647_0010 CS_OFFL_SRL_PM_2_201701211110640_00101211120647_0010 CS_OFFL_SRL_PM_2_201701211110640_00101211120647_0010 CS_OFFL_SRL_PM_2_2017012111106400_00101211120647_0010 CS_OFFL_SRL_PM_2_2017012111106400_00101211120640_0010 CS_OFFL_SRL_PM_2_2017012111106400_0010111106640_001012111066400_001012111066400_001012111066400_001012111066400_00101211106640	CS_OFFL_SIR_LRM_220170121T055551_20170121T061250_C001		
Sept Serve Percentage 2 Perc	CS_OFFL_SIR_LRM_220170121T063430_20170121T064520_C001	(Retracker 3), Backscatter Error	
service (Retractor 2) Special Entry (Patronice 2) Special Entry (Patroni	CS_OFFL_SIR_LRM_220170121T064722_20170121T070242_C001	Height Error (Retracker 2), Backscatter	-
CS_OFFL_SR_LRN_2_20170121T08009_2017012T08446_0001 CS_OFFL_SR_LRN_2_2017012T08009_2017012T08446_0001 CS_OFFL_SR_LRN_2_2017012T08009_2017012T08408_0001 CS_OFFL_SR_LRN_2_2017012T08009_2017012T08009_0001 CS_OFFL_SR_LRN_2_2017012T08009_2017012T08009_0001 CS_OFFL_SR_LRN_2_2017012T108009_2017012T08009_0001 CS_OFFL_SR_LRN_2_2017012T108009_2017012T108009_0001 CS_OFFL_SR_LRN_2_2017012T108009_2017012T108009_0001 CS_OFFL_SR_LRN_2_2017012T108009_0001 CS_OFFL_SR_LRN_2_2017012T108009_0001 CS_OFFL_SR_LRN_2_2017012T108009_0001 CS_OFFL_SR_LRN_2_2017012T108009_0001 CS_OFFL_SR_LRN_2_2017012T108009_0001 CS_OFFL_SR_LRN_2_2017012T108009_0001 CS_OFFL_SR_LRN_2_2017012T108009_0001 CS_OFFL_SR_LRN_2_2017012T108009_0001 CS_OFFL_SR_LRN_2_2017012T109009_0001 CS_OFFL_SR_LRN_2_2017012T109009_0001 CS_OFFL_SR_LRN_2_2017012T109009_0001 CS_OFFL_SR_LRN_2_2017012T109009_0001 CS_OFFL_SR_LRN_2_2017012T110009_0001 CS_OFFL_SR_LRN_2_2017012T1100000000001 CS_OFFL_SR_LRN_2_2017012T110000000	CS_OFFL_SIR_LRM_220170121T071813_20170121T072230_C001		· ·
SS_OFFL_SIR_LRNL_2_20170121108692_20170121108692_0001 SS_OFFL_SIR_LRNL_2_20170121108692_0017012110892. SS_OFFL_SIR_LRNL_2_20170121108992_001012110231_0001 SS_OFFL_SIR_LRNL_2_20170121108992_001012110231_0001 SS_OFFL_SIR_LRNL_2_20170121108992_001012110231_0001 SS_OFFL_SIR_LRNL_2_20170121108992_001012110231_0001 SS_OFFL_SIR_LRNL_2_20170121108992_001012110231_0001 SS_OFFL_SIR_LRNL_2_20170121110899_001012110231_0001 SS_OFFL_SIR_LRNL_2_20170121110899_0010121109992_001 SS_OFFL_SIR_LRNL_2_20170121110899_0010121109992_001 SS_OFFL_SIR_LRNL_2_20170121110899_0010121109992_001 SS_OFFL_SIR_LRNL_2_201701211109992_0010121110999_001 SS_OFFL_SIR_LRNL_2_20170121110999_001012110999_001 SS_OFFL_SIR_LRNL_2_20170121110999_001012110999_001 SS_OFFL_SIR_LRNL_2_20170121110999_001012110999_001 SS_OFFL_SIR_LRNL_2_20170121110999_001012110999_001 SS_OFFL_SIR_LRNL_2_20170121110999_001012110999_001 SS_OFFL_SIR_LRNL_2_20170121110999_001012110999_001 SS_OFFL_SIR_LRNL_2_20170121110999_001012110999_001 SS_OFFL_SIR_LRNL_2_20170121110999_001012110999_001 SS_OFFL_SIR_LRNL_2_20170121110999_0010121112999_0010121110999_0010121110999_0010121112999_00101211112999_0010121112999_0010121112999_00101211112999_0010121112999_00101211112999_00101211112999_00101211112999_00101211112999_00101211112999_00101211112999_00101211112999_00101211112999_00101211112999_00101211112999_00101211112999_001012111112999_00101211112	CS_OFFL_SIR_LRM_220170121T073609_20170121T074846_C001	(Retracker 3), Backscatter Error	
Se_OFFL_SIR_LRM_2_20170121110916_20170121110921_C001 Expert Error (Retracker 2), Backscatter Error	CS_OFFL_SIR_LRM_220170121T082621_20170121T084145_C001	Height Error (Retracker 2), Backscatter	
SoffLisRicker 2 201701211109302 20170121110352 Control Relations 2 2 and a height error (Retrocker 2). Backscatter from Periodes 3 5 or one or more records from (Retrocker 2). Backscatter from Retrocker 3 2 and a height error (Retrocker 2). Backscatter from Retrocker 3 2 and a height error (Retrocker 2). Backscatter from Retrocker 3 2 and a height error (Retrocker 2). Backscatter from Retrocker 3 2 and a height error (Retrocker 2). Backscatter from Retrocker 3 2 and a height error (Retrocker 2). Backscatter from Retrocker 3 2 and a height error (Retrocker 2). Backscatter from Retrocker 3 2 and a height error (Retrocker 2). Backscatter from Retrocker 2 3 and a height error (Retrocker 2). Backscatter from Retrocker 2 3 and a height error (Retrocker 2). Backscatter from Retrocker 2 3 and a height error (Retrocker 2). Backscatter from Retrocker 2 3 and a height error (Retrocker 2). Backscatter from Retrocker 2 3 and a height error (Retrocker 2). Backscatter from Retrocker 2 3 and a height error (Retrocker 2). Backscatter from Retrocker 2 3 and a height error (Retrocker 2). Backscatter from Retrocker 2 3 and a height error (Retrocker 2). Backscatter from Retrocker 2 3 and a height error (Retrocker 2). Backscatter from Retrocker 2 3 and a height error (Retrocker 2). Backscatter from Retrocker 2 4 and a height error (Retrocker 2). Backscatter from Retrocker 2 4 and a height error (Retrocker 2). Backscatter from Retrocker 2 4 and a height error (Retrocker 2). Backscatter from Retrocker 2 4 and a height error (Retrocker 2). Backscatter from Retrocker 2 4 and a height error (Retrocker 2). Backscatter from Retrocker 2 5 and a height error (Retrocker 2). Backscatter from Retrocker 2 5 and a height error (Retrocker 2). Backscatter from Retrocker 3 5 and a height error (Retrocker 2). Backscatter from Retrocker 3 5 and a height error (Retrocker 2). Backscatter from Retrocker 3 5 and a height error (Retrocker 2). Backscatter from Retrocker 3 5 and a height error (Retrocker 2). Backscatter from Retrocker 3 6 and a height error	CS_OFFL_SIR_LRM_220170121T084934_20170121T085053_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Earor (Retracker 2) Height Error (Retracker 2) Height Error (Retracker 3) to ne or more records for Retracker 2 and a height error (Retracker 3). Backscatter Error (Retracker 3) to ne or more records for Retracker 2 and a height error (Retracker 3). Backscatter Error (Retracker 2). Backscatter Er	CS_OFFL_SIR_LRM_2_20170121T085521_20170121T091858_C001		
GS_OFFL_SIR_LRM_2_20170121T102833_2017012T110318S_0001 Soffle_SIR_LRM_2_2017012T1103283_2017012T110318S_0001 Soffle_SIR_LRM_2_2017012T1103422_2017012T11046S0_0001 Fig. GFFL_SIR_LRM_2_2017012T1103422_2017012T11016F2_0001 Fig. GFFL_SIR_LRM_2_2017012T1103422_2017012T11016F2_0001 Fig. GFFL_SIR_LRM_2_2017012T1103427_2017012T111016F2_0001 Soffle_SIR_LRM_2_2017012T110347_2017012T111016F2_0001 Soffle_SIR_LRM_2_2017012T110347_2017012T1110001 Soffle_SIR_LRM_2_2017012T110347_2017012T1120001 Soffle_SIR_LRM_2_2017012T1103038_2017012T1120001 Soffle_SIR_LRM_2_2017012T1103038_2017012T1120001 Soffle_SIR_LRM_2_2017012T1103038_2017012T110001 Soffle_SIR_LRM_2_2017012T110001 Soffle_SIR_LRM_2_2017012T1100001 Soffle_SIR_LRM_2_2017012T11000000 Soffle_SIR_LRM_2_2017012T11000000000000000000000000000000	CS_OFFL_SIR_LRM_220170121T091901_20170121T092217_C001	Error (Retracker 2)	
Height Error (Retracker 2), Backscatter error for Retracker 2 for one or more records S. OFFL_SIR_LRM_2_2017012/11105205_2017012/111105_C001 S. OFFL_SIR_LRM_2_2017012/111347_2017012/1111346_C001 S. OFFL_SIR_LRM_2_2017012/111347_2017012/1112047_C001 S. OFFL_SIR_LRM_2_2017012/111347_2017012/1112001 S. OFFL_SIR_LRM_2_2017012/111207_3_2017012/11120001 S. OFFL_SIR_LRM_2_2017012/11207_3_2017012/11201_C001 S. OFFL_SIR_LRM_2_2017012/11207_2017012/11207_C001 S. OFFL_SIR_LRM_2_2017012/11207_2017012/112240_C001 S. OFFL_SIR_LRM_2_2017012/112032_2017012/112304_C001 S. OFFL_SIR_LRM_2_2017012/113015_2017012/113036_C001 S. OFFL_SIR_LRM_2_2017012/113015_2017012/113036_C001 S. OFFL_SIR_LRM_2_2017012/113034_2017012/113256_C001 S. OFFL_SIR_LRM_2_2017012/113373_2017012/113256_C001 S. OFFL_SIR_LRM_2_2017012/113373_2017012/1140000 S. OFFL_SIR_LRM_2_2017012/113034_2017012/113000_C001 S. OFFL_SIR_LRM_2_2017012/113034_2017012/113000000000000000000000000000000000	CS_OFFL_SIR_LRM_2_20170121T095534_20170121T102131_C001	(Retracker 3), Backscatter Error	
So_FFL_SIR_LRM_2_20170121T105822_2017012T11057_C001 So_FFL_SIR_LRM_2_2017012T105823_2017012T11057_C001 So_FFL_SIR_LRM_2_2017012T11347_2017012T112047_C001 So_FFL_SIR_LRM_2_2017012T11347_2017012T112047_C001 So_FFL_SIR_LRM_2_2017012T11205_2017012T1204_C001 So_FFL_SIR_LRM_2_2017012T11205_2017012T1204_C001 So_FFL_SIR_LRM_2_2017012T11205_2017012T1205_C001 So_FFL_SIR_LRM_2_2017012T11305_2017012T1205_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T1305_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T13256_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T13336_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T13336_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T13336_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T13336_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T13336_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T13336_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T13336_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T13336_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T13333_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T13333_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T13333_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T13333_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T13333_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T13333_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T13333_C001 So_FFL_SIR_LRM_2_2017012T13333_2017012T13333_C001 So_FFL_SIR_LRM_2_2017012T13333_C001 So_FFL_SIR_LRM_2_2017012T13333_C0017012T1333_C001 So_FFL_SIR_LRM_2_2017012T13333_C0017012T13333_C001 So_FFL_SIR_LRM_2_2017012T13333_C0017012T1333_C001 So_FFL_SIR_LRM_2_2017012T13333_C0017012T1333_C001 So_FFL_SIR_LRM_2_2017012T1333_C0017012T1332_C001 So_FFL_SIR_LRM_2_2017012T17330_C0017012T133_C001 So_FFL_SIR_LRM_2_2017012T1735_C0017012T17325_C001 So_FFL_SIR_LRM_2_2017012T1735_C0017012T17325_C001 So_FFL_SIR_LRM_2_2017012T1735_C0017012T17325_C001 So_FFL_SIR_LRM_2_2017012T1735_C0017012T17325_C001 So_FFL_SIR_LRM_2_2017012T1735_C0017012T17325_C001 So_FFL_SIR_LRM_2_2017012T1735_C0017012T17325_C001 So_FFL_SIR_LRM_2_2017012T1735_C0017012T17325_C001 So_FFL_SIR_LRM_2_2017	CS_OFFL_SIR_LRM_2_20170121T102833_20170121T103158_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Error (Retracker 2) So FFE_SIR_LRM2_2017012/1113447_2017012/113845_C001 Error (Retracker 2). Backscatter Error (Retracker 2). Back	CS_OFFL_SIR_LRM_2_20170121T103422_20170121T104630_C001		-
Error (Retracker 2). Backscatter Ferror	CS_OFFL_SIR_LRM_2_20170121T105203_20170121T110157_C001	Error (Retracker 2)	
Error (Retracker 2) Surface Model Unavailable Surface Model Unavailable 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 backscatter error for Retracker 2 for one or more records 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 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 There is a height and backscatter error for Retracker 2 or need or more records There is a height and backscatter error for Retracker 2 or need or more records There is a height and backscatter error for Retracker 2 or one or more records There is a height and backscatter error for Retracker 2 or one or more records There is a height and backscatter error for Retracker 2 or one or more records There is a height and backscatter error for Retracker 2 or one or more records There is a height and backscatter error for Retracker 2 or one or more records There is a height and backscatter error for Retracker 2 or one or more records There is a height and backscatter error for Retracker 2 or one or more records There is a height and backscatter error for Retracker 2 or one or more records There is a height and backscatter error for Retracker 2 or one or more records There is a height and backscatter error for Retracker 2 or one or more records There is a height and backscatter error for Retracker 2 or one or more records There is a height and backscatter error for Retracker 2 or one or more records There is a height and backscatter error for Retracker 2 or one or more records There is a height and backscatter error for Retracker 2 or one or more records There is a height and backscatter error for Retracker 2 or one or more records There is a height and backscatter error for Retracker 2 or on	CS_OFFL_SIR_LRM_2_20170121T113417_20170121T113845_C001		
Height Error (Retracker 2). Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20170121T128342_20170121T130358_C001 CS_OFFL_SIR_LRM_2_20170121T130151_20170121T130358_C001 CS_OFFL_SIR_LRM_2_20170121T130151_20170121T130358_C001 CS_OFFL_SIR_LRM_2_20170121T130338_20170121T130358_C001 CS_OFFL_SIR_LRM_2_20170121T130338_20170121T130358_C001 CS_OFFL_SIR_LRM_2_20170121T130358_20170121T130156_C001 CS_OFFL_SIR_LRM_2_20170121T130358_20170121T130300_C001 CS_OFFL_SIR_LRM_2_20170121T130358_20170121T140000 CS_OFFL_SIR_LRM_2_20170121T148345_20170121T142752_C001 CS_OFFL_SIR_LRM_2_20170121T141847_20170121T142752_C001 CS_OFFL_SIR_LRM_2_20170121T152155_20170121T152552_C001 CS_OFFL_SIR_LRM_2_20170121T152356_20170121T152552_C001 CS_OFFL_SIR_LRM_2_20170121T162333_20170121T165429_C001 CS_OFFL_SIR_LRM_2_20170121T162333_20170121T165429_C001 CS_OFFL_SIR_LRM_2_20170121T162333_20170121T165429_C001 CS_OFFL_SIR_LRM_2_20170121T173050_20170121T173050_C001 CS_OFFL_SIR_LRM_2_20170121T173050_20170121T173050_C001 CS_OFFL_SIR_LRM_2_20170121T173050_20170121T173050_C001 CS_OFFL_SIR_LRM_2_20170121T173050_20170121T173050_C001 CS_OFFL_SIR_LRM_2_20170121T173050_20170121T173050_C001 CS_OFFL_SIR_LRM_2_20170121T173050_20170121T173050_C001 CS_OFFL_SIR_LRM_2_20170121T173050_20170121T173050_C001 CS_OFFL_SIR_LRM_2_20170121T173002_0170121T173050_C001 CS_OFFL_SIR_LRM_2_20170121T173002_0170121T173050_C001 CS_OFFL_SIR_LRM_2_20170121T173002_0170121T173002_0010 CS_OFFL_SIR_LRM_2_20170121T173002_00100100100100100100100100100100100100	CS_OFFL_SIR_LRM_2_20170121T113847_20170121T120047_C001		
Error (Retracker 2) Height Error (Retracker 2) Error (Retracker 2) Height Error (Retracker 2) Error (Retracker 2) Height Error (Retracker 2) Error (Retracker 2) Error (Retracker 2) Height Error (Retracker 2) Error (Retracker 2) Error (Retracker 2) Height Error (Retracker 2) Error (Retracker 2) Error (Retracker 2) Height Error (Retracker 2) Error (Retracker 2) Error (Retracker 2) Error (Retracker 2) Height Error (Retracker 2) Er	CS_OFFL_SIR_LRM_2_20170121T120731_20170121T121101_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Error (Retracker 2) Error	CS_OFFL_SIR_LRM_2_20170121T121504_20170121T122547_C001	Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20170121T130338_C001 CS_OFFL_SIR_LRM_2_20170121T13143_20170121T132156_C001 CS_OFFL_SIR_LRM_2_20170121T131343_20170121T13403_C001 CS_OFFL_SIR_LRM_2_20170121T133345_20170121T13403_C001 CS_OFFL_SIR_LRM_2_20170121T133345_20170121T141601_C001 CS_OFFL_SIR_LRM_2_20170121T141467_20170121T142752_C001 CS_OFFL_SIR_LRM_2_20170121T14147_20170121T142752_C001 CS_OFFL_SIR_LRM_2_20170121T141519_20170121T15155_C001 CS_OFFL_SIR_LRM_2_20170121T14519_20170121T152652_C001 CS_OFFL_SIR_LRM_2_20170121T135256_20170121T15652_C001 CS_OFFL_SIR_LRM_2_20170121T15255_20170121T15652_C001 CS_OFFL_SIR_LRM_2_20170121T15255_20170121T15652_C001 CS_OFFL_SIR_LRM_2_20170121T15255_20170121T156542_C001 CS_OFFL_SIR_LRM_2_20170121T15255_20170121T156542_C001 CS_OFFL_SIR_LRM_2_20170121T15255_20170121T156542_C001 CS_OFFL_SIR_LRM_2_20170121T16233_20170121T165429_C001 CS_OFFL_SIR_LRM_2_20170121T17302_20170121T165429_C001 CS_OFFL_SIR_LRM_2_20170121T17302_20170121T17302_C001 CS_OFFL_SIR_LRM_2_20170121T17302_20170121T17302_C001 CS_OFFL_SIR_LRM_2_20170121T17302_20170121T17302_C001 CS_OFFL_SIR_LRM_2_20170121T17302_20170121T17302_C001 CS_OFFL_SIR_LRM_2_20170121T17302_20170121T17302_C001 CS_OFFL_SIR_LRM_2_20170121T17302_20170121T17302_C001 CS_OFFL_SIR_LRM_2_20170121T17302_20170121T17302_C001 CS_OFFL_SIR_LRM_2_20170121T17302_20170121T17302_C001 CS_OFFL_SIR_LRM_2_20170121T173002_20170121T17305_C001 CS_OFFL_SIR_LRM_2_20170121T173002_20170121T17305_C001 CS_OFFL_SIR_LRM_2_20170121T173002_20170121T17305_C001 CS_OFFL_SIR_LRM_2_20170121T180009_20170121T18006_C001 CS_OFFL_SIR_LRM_2_20170121T180009_20170121T18006_C001 CS_OFFL_SIR_LRM_2_20170121T180009_20170121T18006_C001 CS_OFFL_SIR_LRM_2_20170121T180009_20170121T18006_C001 CS_OFFL_SIR_LRM_2_20170121T180009_20170121T18006_C001 CS_OFFL_SIR_LRM_2_20170121T180009_20170121T18006_C001 CS_OFFL_SIR_LRM_2_20170121T180009_20170121T18006_C001 CS_OFFL_SIR_LRM_2_20170121T180009_20170121T18006_C001 CS_OFFL_SIR_LRM_2_20170121T180009_20170121T18006_C001 CS_OFFL_SIR_LRM_2_20170121T180009_	CS_OFFL_SIR_LRM_2_20170121T122632_20170121T123240_C001		
Error (Retracker 2) S_OFFL_SIR_LRM_2_20170121T13343_20170121T13403_C001 Error (Retracker 2). Backscatter Ferror (Retracker 2). Backscatter F	CS_OFFL_SIR_LRM_2_20170121T130151_20170121T130338_C001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20170121T135345_20170121T141601_C001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker	CS_OFFL_SIR_LRM_220170121T131343_20170121T132156_C001	Error (Retracker 2)	ů .
Error (Retracker 2) Height Error (Retracker 2), Backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter error for Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20170121T152155_20170121T152652_C001 CS_OFFL_SIR_LRM_2_20170121T15255_20170121T152652_C001 CS_OFFL_SIR_LRM_2_20170121T15255_20170121T165429_C001 CS_OFFL_SIR_LRM_2_20170121T162933_20170121T165429_C001 CS_OFFL_SIR_LRM_2_20170121T17326_20170121T173021_C001 CS_OFFL_SIR_LRM_2_20170121T171726_20170121T173021_C001 CS_OFFL_SIR_LRM_2_20170121T173502_20170121T17428_C001 CS_OFFL_SIR_LRM_2_20170121T173502_20170121T17428_C001 CS_OFFL_SIR_LRM_2_20170121T173502_20170121T17428_C001 CS_OFFL_SIR_LRM_2_20170121T173502_20170121T17428_C001 CS_OFFL_SIR_LRM_2_20170121T174307_20170121T17428_C001 CS_OFFL_SIR_LRM_2_20170121T174307_20170121T17428_C001 CS_OFFL_SIR_LRM_2_20170121T174307_20170121T17438_C001 CS_OFFL_SIR_LRM_2_20170121T181911_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T181901_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183003_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T18049_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T18049_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T18049_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T18049_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T18049_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T190649_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T190649_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T190649_C001 CS_OFFL_SIR_LRM_2_20170121T190828_20170121T190300_C001 CS_OFFL_SIR_LRM_2_20170121T190828_20170121T190300_C001	CS_OFFL_SIR_LRM_220170121T133738_20170121T134030_C001		
Error (Retracker 2) Height Error (Retracker 2). Height Error (Retracker 3) and a height error for Retracker 2 and a height error for Retracker 2 and a height error for Retracker 2 and a height error for Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20170121T152155_20170121T152652_C001 Surface Model Unavailable CS_OFFL_SIR_LRM_2_20170121T15255_20170121T160534_C001 CS_OFFL_SIR_LRM_2_20170121T162933_20170121T160534_C001 CS_OFFL_SIR_LRM_2_20170121T162933_20170121T165429_C001 CS_OFFL_SIR_LRM_2_20170121T171236_20170121T173021_C001 CS_OFFL_SIR_LRM_2_20170121T173502_20170121T173021_C001 CS_OFFL_SIR_LRM_2_20170121T173502_20170121T174258_C001 CS_OFFL_SIR_LRM_2_20170121T173502_20170121T174258_C001 CS_OFFL_SIR_LRM_2_20170121T174307_20170121T174325_C001 CS_OFFL_SIR_LRM_2_20170121T174307_20170121T174325_C001 CS_OFFL_SIR_LRM_2_20170121T180309_20170121T18001_C001 CS_OFFL_SIR_LRM_2_20170121T180309_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T185152_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T185152_20170121T190649_C001 Error (Retracker 2), Backscatter Error (CS_OFFL_SIR_LRM_220170121T135345_20170121T141601_C001		
CS_OFFL_SIR_LRM_2_20170121T152155_20170121T152652_C001 CS_OFFL_SIR_LRM_2_20170121T15255_20170121T152652_C001 Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2),	CS_OFFL_SIR_LRM_2_20170121T141847_20170121T142752_C001	Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20170121T153256_20170121T160534_C001 CS_OFFL_SIR_LRM_2_20170121T162933_20170121T165429_C001 CS_OFFL_SIR_LRM_2_20170121T171236_20170121T173021_C001 CS_OFFL_SIR_LRM_2_20170121T173022_C001 CS_OFFL_SIR_LRM_2_20170121T173022_C001 CS_OFFL_SIR_LRM_2_20170121T173022_C001 CS_OFFL_SIR_LRM_2_20170121T173022_C001 CS_OFFL_SIR_LRM_2_20170121T173022_C001 CS_OFFL_SIR_LRM_2_20170121T17302_C001 CS_OFFL_SIR_LRM_2_20170121T17302_C001 CS_OFFL_SIR_LRM_2_20170121T17302_C001 CS_OFFL_SIR_LRM_2_20170121T174307_20170121T174258_C001 CS_OFFL_SIR_LRM_2_20170121T174307_20170121T174325_C001 CS_OFFL_SIR_LRM_2_20170121T180309_20170121T181901_C001 CS_OFFL_SIR_LRM_2_20170121T180309_20170121T181901_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T185152_20170121T180649_C001 CS_OFFL_SIR_LRM_2_20170121T185152_20170121T190649_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), B	CS_OFFL_SIR_LRM_2_20170121T145119_20170121T151950_C001	(Retracker 3), Backscatter Error	
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20170121T162933_20170121T165429_C001 CS_OFFL_SIR_LRM_2_20170121T17326_20170121T173021_C001 CS_OFFL_SIR_LRM_2_20170121T173502_20170121T174258_C001 CS_OFFL_SIR_LRM_2_20170121T173502_20170121T174258_C001 CS_OFFL_SIR_LRM_2_20170121T174307_20170121T174325_C001 CS_OFFL_SIR_LRM_2_20170121T174307_20170121T174325_C001 CS_OFFL_SIR_LRM_2_20170121T180309_20170121T181901_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T190649_C001 CS_OFFL_SIR_LRM_2_20170121T18010200000000000000000000000000000	CS_OFFL_SIR_LRM_220170121T152155_20170121T152652_C001		·
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20170121T171236_20170121T173021_C001 CS_OFFL_SIR_LRM_2_20170121T173502_20170121T174258_C001 CS_OFFL_SIR_LRM_2_20170121T174307_20170121T174325_C001 CS_OFFL_SIR_LRM_2_20170121T174307_20170121T174325_C001 CS_OFFL_SIR_LRM_2_20170121T183009_20170121T181901_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T19049_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T19049_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T19049_C001 CS_OFFL_SIR_LRM_2_20170121T182300_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T19049_C001 CS_OFFL_SIR_LRM_2_20170121T182105_20170121T19049_C001 CS_OFFL_SIR_LRM_2_20170121T190828_20170121T19030_C001 CS_OFFL_SIR_LRM_2_20170121T190828_20170121T190300_C001	CS_OFFL_SIR_LRM_220170121T153256_20170121T160534_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20170121T17362_20170121T174258_C001 CS_OFFL_SIR_LRM_2_20170121T174307_20170121T174355_C001 CS_OFFL_SIR_LRM_2_20170121T174307_20170121T1835_C001 CS_OFFL_SIR_LRM_2_20170121T18309_20170121T181901_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T185152_20170121T190649_C001 CS_OFFL_SIR_LRM_2_20170121T185152_20170121T190649_C001 CS_OFFL_SIR_LRM_2_20170121T18028_20170121T190828_20170121T192330_C001 CS_OFFL_SIR_LRM_2_20170121T190828_20170121T192330_C001 (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) theight Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) theight Error (Re	CS_OFFL_SIR_LRM_220170121T162933_20170121T165429_C001	Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20170121T174307_20170121T174325_C001 CS_OFFL_SIR_LRM_2_20170121T18309_20170121T181901_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T190649_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T190649_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T190649_C001 CS_OFFL_SIR_LRM_2_20170121T190828_20170121T190828_20170121T192330_C001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter 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 height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_2_20170121T171236_20170121T173021_C001	(Retracker 3), Backscatter Error	
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20170121T183039_20170121T181901_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 CS_OFFL_SIR_LRM_2_20170121T185152_20170121T190649_C001 CS_OFFL_SIR_LRM_2_20170121T18028_20170121T190649_C001 CS_OFFL_SIR_LRM_2_20170121T190828_20170121T190828_20170121T192330_C001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscat	CS_OFFL_SIR_LRM_220170121T173502_20170121T174258_C001		
CS_OFFL_SIR_LRM_2_20170121T182115_20170121T183603_C001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracke	CS_OFFL_SIR_LRM_220170121T174307_20170121T174325_C001	Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20170121T182013_C001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatte	CS_OFFL_SIR_LRM_220170121T180309_20170121T181901_C001	Error (Retracker 2)	records
Error (Retracker 2) Height Error (Retracker 2), Height Error CS_OFFL_SIR_LRM_2_20170121T190828_20170121T192330_C001 Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error for Retracker 3 for one or more records	CS_OFFL_SIR_LRM_220170121T182115_20170121T183603_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20170121T190828_20170121T192330_C001 (Retracker 3), Backscatter Error for Retracker 3 for one or more records	CS_OFFL_SIR_LRM_220170121T185152_20170121T190649_C001	Error (Retracker 2)	
(Interlative 2)	CS_OFFL_SIR_LRM_220170121T190828_20170121T192330_C001		

00.0051.005.104.0.004740774.004740774.004740774.00474		
CS_OFFL_SIR_LRM_220170121T193704_20170121T193738_C001	Surface Model Unavailable Height Error (Retracker 2), Backscatter	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
CS_OFFL_SIR_LRM_220170121T194628_20170121T195815_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220170121T200304_20170121T201750_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220170121T203129_20170121T205550_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220170121T212009_20170121T212034_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_220170121T213013_20170121T213334_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_220170121T213336_20170121T215720_C001	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_220170121T220234_20170121T220727_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170121T221010_20170121T223618_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_220170121T230901_20170121T231856_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_220170121T232433_20170121T233505_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_2_20170121T002854_20170121T003243_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170121T003829_20170121T003945_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170121T011917_20170121T012010_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_220170121T020832_20170121T021147_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170121T021700_20170121T021821_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170121T025930_20170121T030011_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170121T034547_20170121T034955_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170121T035608_20170121T035717_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170121T043512_20170121T043732_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170121T043824_20170121T043943_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170121T052355_20170121T052523_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170121T053318_20170121T053502_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170121T061250_20170121T061659_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170121T061732_20170121T061853_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170121T070305_20170121T070449_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170121T071139_20170121T071417_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170121T071609_20170121T071755_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_20170121T075322_20170121T075746_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_20170121T084227_20170121T084425_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170121T085053_20170121T085417_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170121T102155_20170121T102419_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170121T102812_20170121T102817_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170121T103158_20170121T103322_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170121T112154_20170121T112213_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_220170121T120114_20170121T120238_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170121T121102_20170121T121228_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170121T134104_20170121T134229_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170121T134754_20170121T135105_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170121T143916_20170121T143936_C001	SARIn X-track Angle Error, Surface	records An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_2_20170121T143943_20170121T144022_C001	Model Unavailable SARIn X-track Angle Error, Surface	Model was used for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_2_20170121T152041_20170121T152155_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_220170121T152652_20170121T153015_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170121T162221_20170121T162303_C001	SARIn X-track Angle Error, Surface	records An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_2_20170121T170128_20170121T170404_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_20170121T170557_20170121T171224_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170121T175642_20170121T175802_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170121T180102_20170121T180302_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170121T183645_20170121T184256_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170121T184509_20170121T184551_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170121T185010_20170121T185146_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
		records

CS_OFFL_SIR_SIN_220170121T193601_20170121T193704_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170121T193738_20170121T193822_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170121T201856_20170121T202047_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170121T202913_20170121T203101_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170121T211514_20170121T212009_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_220170121T215829_20170121T215949_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170121T220146_20170121T220234_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170121T220727_20170121T220946_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170121T224807_20170121T224846_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_220170121T233755_20170121T233915_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170121T233946_20170121T234155_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170121T234753_20170121T234923_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	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_LRM_1B	164	164	164	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	95	95	95	0	0
SIR_SIN_2	95	95	95	0	0
SIR_SINI2	95	95	95	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:

107