



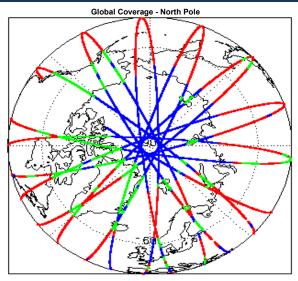
1. Overview

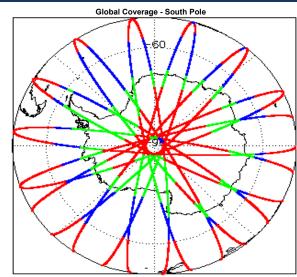
Report Production Date: 20-Sep-2017		
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

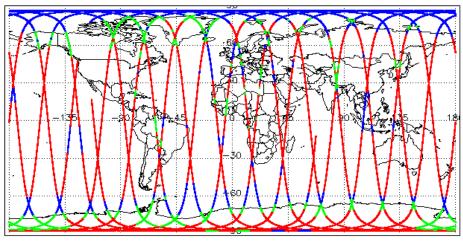
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File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

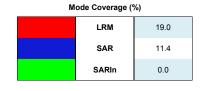
Mission / Instrument News			
21-Aug-2017	None		
22-Aug-2017	None		
23-Aug-2017	SIRAL unavailability on 23-Aug-2017 from 06:56:21 to 08:59:18 due to a planned orbit manoeuvre.		

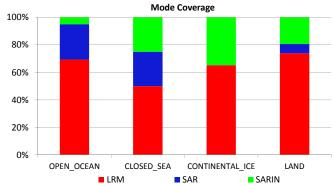
2. Global Coverage

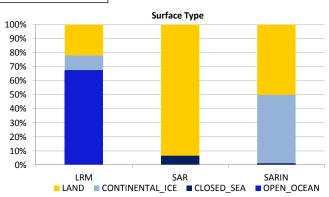












3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

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

Number of products with errors:

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:

0

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.

lumber of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20170822T111440_20170822T112303_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20170822T112306_20170822T114818_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20170822T203059_20170822T203231_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: 0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

CryoSat L2 data includes a correction error flag (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:

Building (1992) _ 20.0000000000000000000000000000000000	Product	Test Failed	Description
Get Gett, Sin Levi 2. 20179821790412 2017982179040 COD Fig. (Fig. 1994) 2. 2017982179041 2017982179040 COD Fig. (Fig. 1994) 2. 20179821790412 2017982179040 COD Fig. (Fig. 1994) 2. 2017	CS_OFFL_SIR_LRM_220170821T234813_20170822T001158_C001		
Sign (Fig. 1984) 2. (Introductions Sign (Fig. 1984) 2. (Introductions and the Fig. 19	CS_OFFL_SIR_LRM_220170822T002042_20170822T002408_C001		·
Supplier (Section 2) Decoded and	CS_OFFL_SIR_LRM_220170822T002752_20170822T003838_C001		~
Sport Lip Reliable 2. Destroyed by Control Sport Lip Reliable 2. Des	CS_OFFL_SIR_LRM_220170822T004415_20170822T005949_C001	Error (Retracker 2)	records
Souther Model Unweighted On CHT_SIT_UNITCONTROLLED SOUTH CONTROLLED CONTRO	CS_OFFL_SIR_LRM_220170822T011546_20170822T012104_C001	Error (Retracker 2)	records
COLOFT, SRIL (MLZ_20170027100400, 20170027100400, 2010027101400, 2010027101400, 20170027101400, 20170027101400, 20170027101400, 20170027101400, 20170027101400, 20170027101400, 20170027101400, 20170027101400, 20170027101400, 20170027101400, 20170027101400, 20170027101400, 20170027101400, 20170027101400, 201700271014010, 20170027101400, 20170027101400, 20170027101400, 201700271014010, 20170027101	CS_OFFL_SIR_LRM_220170822T012310_20170822T014502_C001		_
COPPLIENT 2 DITROSCRIPTORY DITROSCRI	CS_OFFL_SIR_LRM_220170822T015508_20170822T020315_C001		·
Scient Set Lives 2, 2017/02/2100400, 201	CS_OFFL_SIR_LRM_220170822T020832_20170822T024039_C001	Error (Retracker 2)	records
Egy City Bill Limit 220170027110400_201700271024000_20100000000000000000000000000000	CS_OFFL_SIR_LRM_220170822T025233_20170822T025453_C001	Error (Retracker 2)	records
CS_OFT_SIL_TEM_2_0077822710410_2070022704282_G000 CS_OFT_SIL_TEM_2_0077822710410_2070022704282_G000 CS_OFT_SIL_TEM_2_0077822710410_2070022704382_G000 CS_OFT_SIL_TEM_2_0077822710400_2070022704382_G000 CS_OFT_SIL_TEM_2_0077822710400_2070022704002_G000 CS_OFT_SIL_TEM_2_0077822710400_2070022704002_G000 CS_OFT	CS_OFFL_SIR_LRM_220170822T031406_20170822T032323_C001		
See CPFL_SIR_LEM_2_201706221705429_201706221705450_C001 See CPFL_SIR_LEM_2_201706221705429_201706221705450_C001 See CPFL_SIR_LEM_2_201706222705437_201706221705450_C001 See CPFL_SIR_LEM_2_201706222705437_201706221705450_C001 See CPFL_SIR_LEM_2_201706222705437_201706221705450_C001 See CPFL_SIR_LEM_2_20170622170542_201706221705450_C001 See CPFL_SIR_LEM_2_2017062270542_201706221705450_C001 See CPFL_SIR_LEM_2_2017062270543_201706221705450_C001 See CPFL_SIR_LEM_2_2017062270543_201706221705450_C001 See CPFL_SIR_LEM_2_2017062270543_201706221705450_C001 See CPFL_SIR_LEM_2_2017062270543_201706221705450_C001 See CPFL_SIR_LEM_2_2017062270543_201706221705450_C001 See CPFL_SIR_LEM_2_2017062270543_201706221705450_C001 See CPFL_SIR_LEM_2_20170622705450_C001 See CPFL_SIR_LEM_2_20170622705	CS_OFFL_SIR_LRM_220170822T033445_20170822T034002_C001		·
Sec. OFFL_SIN_LAND_2 201708227104507_20170827051502_001 Sec. OFFL_SIN_LAND_2 201708227104507_20170827051502_001 Sec. OFFL_SIN_LAND_2 201708227105050_20170827051502_001 Sec. OFFL_SIN_LAND_2 201708227105050_20170827051502_001 Sec. OFFL_SIN_LAND_2 201708227105050_20170827051502_001 Sec. OFFL_SIN_LAND_2 201708227105050_20170827051502_001 Sec. OFFL_SIN_LAND_2 201708227051502_0010527051502_001 Sec. OFFL_SIN_LAND_2 201708227051502_0010527051502_001 Sec. OFFL_SIN_LAND_2 2017082270515027051502_001 Sec. OFFL_SIN_LAND_2 2017082270515027051502_001 Sec. OFFL_SIN_LAND_2 201708227051503_001 Sec. OFFL_SIN_LAND_2 201708227050540_001 Sec. OFFL_SIN_LAND_2 201708227050540_001 Sec. OFFL_SIN_LAND_2 201708227105050_001 Sec. OFFL_SIN_LAND_2 201	CS_OFFL_SIR_LRM_220170822T034708_20170822T040815_C001	Error (Retracker 2)	records
Co. PFL_SRLEM_2_201708227105120_2017082700509_001 Co. OFFL_SRLEM_2_201708227105120_2017082700509_001 Co. OFFL_SRLEM_2_201708227105120_2017082700509_001 Co. OFFL_SRLEM_2_201708227105120_2017082700509_001 Co. OFFL_SRLEM_2_201708227105120_2017082700509_001 Co. OFFL_SRLEM_2_201708227105120_2017082700509_001 Co. OFFL_SRLEM_2_201708227105120_001 Co. OFFL_SRLEM_2_20170822	CS_OFFL_SIR_LRM_220170822T041101_20170822T042235_C001	Error (Retracker 2)	records
Enrol (Petrodov 2) S. OFFL, SRIL (MB. 2_201708227109221 2011422 (2011434 C011 S. OFFL, SRIL (MB. 2_201708227109242 2017082271091434 C011 S. OFFL, SRIL (MB. 2_201708227109143 201708227109143 C011 S. OFFL, SRIL (MB. 2_201708227109143 201708227109143 C011 S. OFFL, SRIL (MB. 2_201708227109143 201708227109143 C011 S. OFFL, SRIL (MB. 2_201708227109143 201708227109183 C011 S. OFFL, SRIL (MB. 2_201708227109143 201708227109183 C011 S. OFFL, SRIL (MB. 2_20170822710913 201708227109183 C011 S. OFFL, SRIL (MB. 2_20170822710913 201708227109183 C011 S. OFFL, SRIL (MB. 2_20170822710913 201708227109193 C011 S. OFFL, SRIL (MB. 2_20170822710913 201708227109194 C011 S. OFFL, SRIL (MB. 2_20170822710914 201708210914 C011 S. OFFL, SRIL (MB. 2_20170822710914 201708210 C011 S. OFFL, SRIL (MB. 2_20170822710914 20170822110918 C011 S. OFFL, SRIL (MB. 2_20170822710914 20170822110918 C011 S. OFFL, SRIL (MB. 2_20170822710918 20170822110918 C011 S. OFFL, SRIL (MB. 2_20170822710918 20170822110918 C011 S. OFFL, SRIL (MB. 2_20170822710918 20170822 C011 S. OFFL, SRIL (MB. 2_20170822710918 20170823 C011080 C011 S. OFFL, SRI		Error (Retracker 2)	records
Height Error (Flettocker 2). Height Error (Flettocker 2). Beadcaster (Flett		Error (Retracker 2)	records
GS_CPF_SIR_LENU_2_201708227109132_20170827109130_001 GS_CPF_SIR_LENU_2_201708227109132_20170827109130_001 GS_CPF_SIR_LENU_2_201708227109132_2017082709130_001 GS_CPF_SIR_LENU_2_20170822709132_20170827071330_001 GS_CPF_SIR_LENU_2_20170822709132_20170827071330_001 GS_CPF_SIR_LENU_2_201708227071330_001027071330_001 GS_CPF_SIR_LENU_2_201708227071330_0010270713300_001 GS_CPF_SIR_LENU_2_201708227071300_001_00101 GS_CPF_SIR_LENU_2_2017082270713000_001_00101 GS_CPF_SIR_LENU_2_2017082270713000_001_00101 GS_CPF_SIR_LENU_2_201708227070440001010227004400010102270444000101 GS_CPF_SIR_LENU_2_2017082270044000170827109000_001 GS_CPF_SIR_LENU_2_2017082270044000170827109000_001 GS_CPF_SIR_LENU_2_2017082270044000170827109000_001 GS_CPF_SIR_LENU_2_2017082270044000170827109000_001 GS_CPF_SIR_LENU_2_2017082270044000170827109000_001 GS_CPF_SIR_LENU_2_20170822710044000170827109000_001 GS_CPF_SIR_LENU_2_20170822710044000170827109000_001 GS_CPF_SIR_LENU_2_20170822710044000170827109000_001 GS_CPF_SIR_LENU_2_20170822710044000170827109000_001 GS_CPF_SIR_LENU_2_20170822710044000170827109000_001 GS_CPF_SIR_LENU_2_201708227100440001708271049000_001 GS_CPF_SIR_LENU_2_201708227100440001708271049000_001 GS_CPF_SIR_LENU_2_201708227100440001708271140900_001 GS_CPF_SIR_LENU_2_201708227100440001708271140900_001 GS_CPF_SIR_LENU_2_2017082271140900_001708271140900_001 GS_CPF_SIR_LENU_2_2017082271140900_001708271140900_001 GS_CPF_SIR_LENU_2_2017082271140900_001708271140900_001 GS_CPF_SIR_LENU_2_2017082271140900_001708271140900_001 GS	CS_OFFL_SIR_LRM_220170822T051603_20170822T051902_C001		·
Error (Petroscox 2) SOFFL_SRL_RM 2_20170822706429, 2001 SOFFL_SRL_RM 2_20170822706439, 2001 SOFFL_SRL_RM 2_20170822706439, 20010822707335, 2001 SOFFL_SRL_RM 2_20170822707359, 20170822708113, 2001 SOFFL_SRL_RM 2_20170822707359, 20170822708113, 2001 SOFFL_SRL_RM 2_20170822707359, 20170822708113, 2001 SOFFL_SRL_RM 2_20170822708735, 20170822708113, 2001 SOFFL_SRL_RM 2_2017082707359, 20170822708113, 2001 SOFFL_SRL_RM 2_20170822708735, 20170822708130, 2001 SOFFL_SRL_RM 2_20170822708745, 20170822708915, 2001 SOFFL_SRL_RM 2_20170822708042, 20170822708939, 2001 SOFFL_SRL_RM 2_20170822708044, 20170822708939, 2001 SOFFL_SRL_RM 2_20170822708404, 20170822708939, 2001 SOFFL_SRL_RM 2_20170822708404, 20170822708939, 2001 SOFFL_SRL_RM 2_20170822708404, 20170822709444, 2001 SOFFL_SRL_RM 2_20170822708405, 20170822709444, 2001 SOFFL_SRL_RM 2_20170822708405, 200108227004405, 20010822700440, 200108227004405, 200108227004405, 200108227100459, 200108227104405, 200108227104	CS_OFFL_SIR_LRM_220170822T052629_20170822T060246_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
Em/ (Petracker 2) For OFFL_SIR_LEM_2_201708221070942_201708221072132_0001 CS_OFFL_SIR_LEM_2_201708221070942_201708221072132_0001 CS_OFFL_SIR_LEM_2_20170822107139_20170822107336_0001 CS_OFFL_SIR_LEM_2_20170822107139_20170822107336_0001 CS_OFFL_SIR_LEM_2_20170822107139_20170822107336_0001 CS_OFFL_SIR_LEM_2_20170822107139_20170822107356_0001 CS_OFFL_SIR_LEM_2_20170822107130_20170822107356_0001 CS_OFFL_SIR_LEM_2_20170822107350_20170822108756_0001 CS_OFFL_SIR_LEM_2_20170822108956_20170822108756_0001 CS_OFFL_SIR_LEM_2_20170822108956_20170822108950_0001 CS_OFFL_SIR_LEM_2_201708221090946_2001 CS_OFFL_SIR_LEM_2_201708221090952_201708221090960_0001 CS_OFFL_SIR_LEM_2_201708221090962_201708221090960_0001 CS_OFFL_SIR_LEM_2_201708221090960_201708221090960_0001 CS_OFFL_SIR_LEM_2_201708221090960_201708221090960_0001 CS_OFFL_SIR_LEM_2_201708221090960_201708221090960_0001 CS_OFFL_SIR_LEM_2_201708221090960_201708221090960_0001 CS_OFFL_SIR_LEM_2_201708221090960_201708221090960_0001 CS_OFFL_SIR_LEM_2_201708221090960_201708221090960_0001 CS_OFFL_SIR_LEM_2_2017082211090960_0001 CS_OFFL_SIR_LEM_2_2017082211090960_0001 CS_OFFL_SIR_LEM_2_2017082211090960_0001 CS_OFFL_SIR_LEM_2_2017082211090960_0001 CS_OFFL_SIR_LEM_2_20170822110906_0001 CS_OFFL_SIR_LEM_2_201708221109060_0001 CS_OFFL_SIR_LEM_2_2017082211090600000000000000000000000000000000	CS_OFFL_SIR_LRM_220170822T061423_20170822T061434_C001	Error (Retracker 2)	records
Em (Petradese 2) Em (Pe	CS_OFFL_SIR_LRM_220170822T061521_20170822T062212_C001	Error (Retracker 2)	records
Enro (Februaker 2) Enro (CS_OFFL_SIR_LRM_220170822T062227_20170822T064639_C001	Error (Retracker 2)	records
GS OFFL SIR LEM 2_20170827107532 20170827109530 (001) GRetander 3, Backscatter Error (Retrander 2) the pit firm (Retrander 2) th	CS_OFFL_SIR_LRM_220170822T070543_20170822T072132_C001	Error (Retracker 2)	
SOFFL SIR_LRM_2_20170827109327_001708271092758_0001 SOFFL SIR_LRM_2_2017082708459_2017082709595_0001 SUJFLE SIR_LRM_2_2017082708459_2017082709595_0001 SUJFLE SIR_LRM_2_20170827095041_20170827095950_0001 SUJFLE SIR_LRM_2_20170827095041_20170827095950_0001 SUJFLE SIR_LRM_2_20170827095041_20170827095950_0001 SUJFLE SIR_LRM_2_20170827095041_201708271095950_0001 SUJFLE SIR_LRM_2_201708271095042_201708271095950_0001 SUJFLE SIR_LRM_2_201708271095040_20170827109505_0001 SUJFLE SIR_LRM_2_20170827109505_201708271094040_0001 SUJFLE SIR_LRM_2_20170827109505_20170827109405_0001 SUJFLE SIR_LRM_2_20170827109505_20170827109505_0001 SUJFLE SIR_LRM_2_20170827109505_20170827109505_0001 SUJFLE SIR_LRM_2_20170827109505_20170827100505_0001 SUJFLE SIR_LRM_2_20170827109505_20170827100505_0001 SUJFLE SIR_LRM_2_2017082710250_00076227110555_0001 SUJFLE SIR_LRM_2_20170827110250_00076227110555_0001 SUJFLE SIR_LRM_2_201708271105554_20170827110555_0001 SUJFLE SIR_LRM_2_201708271105556_20170827110555_0001 SUJFLE SIR_LRM_2_201708271105554_20170827110555_0001 SUJFLE SIR_LRM_2_201708271105556_20170827110555_0001 SUJFLE SIR_L	CS_OFFL_SIR_LRM_220170822T072136_20170822T073356_C001	(Retracker 3), Backscatter Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20170822710822709409_201708227109509_C001 CS_OFFL_SIR_LRM_2_20170822709409_201708227109509_C001 CS_OFFL_SIR_LRM_2_20170822709409_201708227109509_C001 CS_OFFL_SIR_LRM_2_20170822709409_201708227109509_C001 CS_OFFL_SIR_LRM_2_201708227094092_201708227109509_C001 CS_OFFL_SIR_LRM_2_201708227094092_201708227109509_C001 CS_OFFL_SIR_LRM_2_201708227094092_201708227109509_C001 CS_OFFL_SIR_LRM_2_201708227094092_201708227109509_C001 CS_OFFL_SIR_LRM_2_201708227094092_201708227109509_C001 CS_OFFL_SIR_LRM_2_201708227094092_201708227109509_C001 CS_OFFL_SIR_LRM_2_2017082271094092_201708227109509_C001 CS_OFFL_SIR_LRM_2_201708227109409_201708227109509_C001 CS_OFFL_SIR_LRM_2_201708227109409_201708227109509_C001 CS_OFFL_SIR_LRM_2_201708227109409_201708227109509_C001 CS_OFFL_SIR_LRM_2_201708227109409_201708227109509_C001 CS_OFFL_SIR_LRM_2_201708227109409_201708227109509_C001 CS_OFFL_SIR_LRM_2_201708227109409_201708227109509_C001 CS_OFFL_SIR_LRM_2_201708227109409_201708227109509_C001 CS_OFFL_SIR_LRM_2_201708227109409_201708227109509_C001 CS_OFFL_SIR_LRM_2_201708227109409_201708227109509_C001 CS_OFFL_SIR_LRM_2_201708227109509_C001 CS_OFFL_SIR_LRM_2_201708227109509_C0010 CS_OFFL_SIR_LRM_2_201708227109509_C001000000000000000000000000000000000	CS_OFFL_SIR_LRM_2_20170822T075532_20170822T081113_C001		~
CS_OFFL_SIR_LRM_2_20170822T109404_20170822T109405_C001 CS_OFFL_SIR_LRM_2_20170822T109404_20170822T109405_C001 CS_OFFL_SIR_LRM_2_20170822T109404_20170822T109405_C001 CS_OFFL_SIR_LRM_2_20170822T109405_20170822T109405_C001 CS_OFFL_SIR_LRM_2_20170822T109405_20170822T109405_C001 CS_OFFL_SIR_LRM_2_20170822T109405_20170822T109405_C001 CS_OFFL_SIR_LRM_2_20170822T109405_20170822T109405_C001 CS_OFFL_SIR_LRM_2_20170822T109405_20170822T109405_C001 CS_OFFL_SIR_LRM_2_20170822T109405_20170822T109405_C001 CS_OFFL_SIR_LRM_2_20170822T109405_20170822T109405_C001 CS_OFFL_SIR_LRM_2_20170822T109405_20170822T109405_C001 CS_OFFL_SIR_LRM_2_20170822T109405_2001 CS_OFFL_SIR_LRM_2_20170822T110950_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T110950_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T112066_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T112066_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T112066_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T112066_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T112066_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T112066_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T112066_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T112066_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T110950_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T110950_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T110950_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T11096_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T11096_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T11096_20170822T110950_C001 CS_OFFL_SIR_LRM_2_20170822T11096_20170822T110007_C001 CS_OFFL_SIR_LRM_2_20170822T11096_20170822T110007_C001 CS_OFFL_SIR_LRM_2_20170822T11096_20170822T110007_C001 CS_OFFL_SIR_LRM_2_20170822T11096_20170822T110007_C001 CS_OFFL_SIR_LRM_2_20170822T11096_20170822T110007_C001 CS_OFFL_SIR_LRM_2_20170822T110007_C001 CS_OFFL_SIR_LRM_2_20170822T110007_C001 CS_OFFL_SIR_LRM_2_2017	CS_OFFL_SIR_LRM_220170822T081733_20170822T082758_C001		
Error (Retracker 2) Height Error (Retracker 2) Error (Retracker 2) Error (Retracker 2) Height Error (Retracker 2) He	CS_OFFL_SIR_LRM_220170822T083456_20170822T083725_C001		·
Error (Retracker 2) Error (Re	CS_OFFL_SIR_LRM_220170822T084505_20170822T085901_C001	Error (Retracker 2)	records
Error (Retracker 2) S. OFFL_SIR_LRM_2_20170822T1993731_20170822T09405_C001 S. OFFL_SIR_LRM_2_20170822T094052_20170822T10839_C001 S. OFFL_SIR_LRM_2_20170822T094052_20170822T10839_C001 S. OFFL_SIR_LRM_2_20170822T10239_20170822T102129_C001 S. OFFL_SIR_LRM_2_20170822T102445_20170822T104596_C001 S. OFFL_SIR_LRM_2_20170822T10245_20170822T104596_C001 S. OFFL_SIR_LRM_2_20170822T105894_20170822T109592_C001 S. OFFL_SIR_LRM_2_20170822T10245_20170822T109592_C001 S. OFFL_SIR_LRM_2_20170822T10245_20170822T109594_C001 S. OFFL_SIR_LRM_2_20170822T102594_C001 S. OFFL_SIR_LRM_2_20170822T102594_C001 S. OFFL_SIR_LRM_2_20170822T109594_C001 S. OFFL_SIR_LRM_2_20170822T109594_C001 S. OFFL_SIR_LRM_2_20170822T112306_20170822T114818_C001 S. OFFL_SIR_LRM_2_20170822T126344_20170822T112306_C001 S. OFFL_SIR_LRM_2_20170822T112634_20170822T112306_C001 S. OFFL_SIR_LRM_2_20170822T112634_20170822T11308_C001 S. OFFL_SIR_LRM_2_20170822T112634_20170822T11308_C001 S. OFFL_SIR_LRM_2_20170822T11306_C001 S. OFFL_SIR_LRM_2_20170822T134319_20170822T140734_C001 S. OFFL_SIR_LRM_2_20170822T134319_20170822T140734_C001 S. OFFL_SIR_LRM_2_20170822T14096_20170822T140036_C001 S. OFFL_SIR_LRM_2_20170822T155364_2017082T155364_C001 S. OFFL_SIR_LRM_2_20170822T155646_2017082T154084_C001 S. OFFL_SIR_LRM_2_20170822T155646_2017082T154084_C001 S. OFFL_SIR_LRM_2_20170822T155646_2017082T154084_C001 S. OFFL_SIR_LRM_2_20170822T156646_2017082T1540007_C001 S. OFFL_SIR_LRM_2_20170822T156646_2017082T1540007_C001 S. OFFL_SIR_LRM_2_20170822T156646_2017082T1540007_C001 S. OFFL_SIR_LRM_2_20170822T156646_2017082T1540007_C001 S. OFFL_SIR_LRM_2_20170822T156646_2017082T1540007_C001 S. OFFL_SIR_LRM_2_20170822T156646_2017082T1540007_C00	CS_OFFL_SIR_LRM_220170822T090041_20170822T090648_C001	Error (Retracker 2)	records
Error (Retracker 2) Error (Re	CS_OFFL_SIR_LRM_220170822T093404_20170822T093608_C001	Error (Retracker 2)	records
Error (Retracker 2) GS_OFFL_SIR_LRM_2_20170822T094603_20170822T102129_C001 SUrface Model Unavailable Height Error (Retracker 2). Height Error (Retracker 3) Backscatter error for Retracker 2 and a height error for Retracker 3). 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 SURFL_SIR_LRM_2_20170822T105854_20170822T105952_C001 SURFL_SIR_LRM_2_20170822T112506_20170822T105952_C001 CS_OFFL_SIR_LRM_2_20170822T112506_20170822T114818_C001 CS_OFFL_SIR_LRM_2_20170822T11206_20170822T112954_C001 CS_OFFL_SIR_LRM_2_20170822T125634_20170822T123954_C001 CS_OFFL_SIR_LRM_2_20170822T125634_20170822T13954_C001 CS_OFFL_SIR_LRM_2_20170822T131644_20170822T13954_C001 CS_OFFL_SIR_LRM_2_20170822T1341819_C001 CS_OFFL_SIR_LRM_2_20170822T131644_20170822T132502_C001 CS_OFFL_SIR_LRM_2_20170822T131644_20170822T132502_C001 CS_OFFL_SIR_LRM_2_20170822T131644_20170822T132502_C001 CS_OFFL_SIR_LRM_2_20170822T134095_20170822T140714_C001 CS_OFFL_SIR_LRM_2_20170822T134096_20170822T140714_C001 CS_OFFL_SIR_LRM_2_20170822T134096_20170822T140055_C001 CS_OFFL_SIR_LRM_2_20170822T145093_20170822T145053_C001 CS_OFFL_SIR_LRM_2_20170822T145093_20170822T155053_C001 CS_OFFL_SIR_LRM_2_20170822T145093_20170822T155053_C001 CS_OFFL_SIR_LRM_2_20170822T152939_20170822T155053_C001 CS_OFFL_SIR_LRM_2_20170822T152939_20170822T155053_C001 CS_OFFL_SIR_LRM_2_20170822T150007_C001 CS_OFFL_SIR_LRM_2_2017082T150007_C001 CS_OFFL_SIR_LRM_2_2017082T150007_C001 CS_OFFL_SIR_LRM_2_2017082T150007_C001 CS_OFFL_SIR_LRM_2_2017082T150007_C001 CS_OFFL_	CS_OFFL_SIR_LRM_220170822T093731_20170822T094035_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20170822T10839_20170822T109592_C001 CS_OFFL_SIR_LRM_2_20170822T10859_C001 CS_OFFL_SIR_LRM_2_20170822T109592_C001 CS_OFFL_SIR_LRM_2_20170822T109592_C001 CS_OFFL_SIR_LRM_2_20170822T109592_C001 CS_OFFL_SIR_LRM_2_20170822T109592_C001 CS_OFFL_SIR_LRM_2_20170822T109592_C001 CS_OFFL_SIR_LRM_2_20170822T109592_C001 CS_OFFL_SIR_LRM_2_20170822T109622T109592_C001 CS_OFFL_SIR_LRM_2_20170822T112306_20170822T114818_C001 CS_OFFL_SIR_LRM_2_20170822T120416_20170822T123954_C001 CS_OFFL_SIR_LRM_2_20170822T12564_20170822T130952_C001 CS_OFFL_SIR_LRM_2_20170822T12564_20170822T130952_C001 CS_OFFL_SIR_LRM_2_20170822T12564_20170822T130954_C001 CS_OFFL_SIR_LRM_2_20170822T12564_20170822T130954_C001 CS_OFFL_SIR_LRM_2_20170822T131108_C001 CS_OFFL_SIR_LRM_2_20170822T13109_20170822T140704_C001 CS_OFFL_SIR_LRM_2_20170822T13109_20170822T140016_C001 CS_OFFL_SIR_LRM_2_20170822T13109_20170822T140016_C001 CS_OFFL_SIR_LRM_2_20170822T132562_C001 CS_OFFL_SIR_LRM_2_20170822T132500_C001 CS_OFFL_SIR_LRM_2_20170822T132500_C001 CS_OFFL_SIR_LRM_2_20170822T132500_C001 CS_OFFL_SIR_LRM_2_20170822T132500_C001 CS_OFFL_SIR_LRM_2_20170822T132500_C001 CS_OFFL_SIR_LRM_2_20170822T132500_C001 CS_OFFL_SIR_LRM_2_20170822T132500_C001 CS_OFFL_SIR_LRM_2_20170822T132500_C001 CS_OFFL_SIR_LRM_2_20170822T13200_C001 CS_OFFL_SIR_LRM_2_20170822T140000_C001 CS_OFFL_SIR_LRM_2_20170822T150053_C001 CS_OFFL_SIR_LRM_2_20170822T150053_C001 CS_OFFL_SIR_LRM_2_20170822T150000_C001 CS_OFFL_S	CS_OFFL_SIR_LRM_220170822T094052_20170822T094440_C001	Error (Retracker 2)	records
Height Error (Retracker 2), Height Error (Retracker 3 on en or more records CS_OFFL_SIR_LRM_2_20170822T108554_20170822T108552_C001 CS_OFFL_SIR_LRM_2_20170822T112306_20170822T114818_C001 CS_OFFL_SIR_LRM_2_20170822T112306_20170822T114818_C001 CS_OFFL_SIR_LRM_2_20170822T12306_20170822T114818_C001 CS_OFFL_SIR_LRM_2_20170822T123634_20170822T132654_C001 CS_OFFL_SIR_LRM_2_20170822T125634_20170822T131108_C001 CS_OFFL_SIR_LRM_2_20170822T13644_20170822T132620_C001 CS_OFFL_SIR_LRM_2_20170822T131644_20170822T132620_C001 CS_OFFL_SIR_LRM_2_20170822T131644_20170822T132620_C001 CS_OFFL_SIR_LRM_2_20170822T134319_20170822T140714_C001 CS_OFFL_SIR_LRM_2_20170822T14906_20170822T140714_C001 CS_OFFL_SIR_LRM_2_20170822T14906_20170822T140714_C001 CS_OFFL_SIR_LRM_2_20170822T14906_20170822T150553_C001 CS_OFFL_SIR_LRM_2_20170822T14906_20170822T150553_C001 CS_OFFL_SIR_LRM_2_20170822T156399_20170822T153701_C001 CS_OFFL_SIR_LRM_2_20170822T156939_20170822T153701_C001 CS_OFFL_SIR_LRM_2_20170822T15605_20170822T156405_20170822T154848_C001 CS_OFFL_SIR_LRM_2_20170822T156065_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T1600643_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T156065_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T156065_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T156065_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T156065_20170822T160007_C001	CS_OFFL_SIR_LRM_220170822T094603_20170822T100839_C001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20170822T108554_20170822T114818_C001 CS_OFFL_SIR_LRM_2_2017082ZT112306_2017082ZT114818_C001 CS_OFFL_SIR_LRM_2_2017082ZT112306_2017082ZT114818_C001 CS_OFFL_SIR_LRM_2_2017082ZT120416_2017082ZT123954_C001 CS_OFFL_SIR_LRM_2_2017082ZT120416_2017082ZT123954_C001 CS_OFFL_SIR_LRM_2_2017082ZT120416_2017082ZT123954_C001 CS_OFFL_SIR_LRM_2_2017082ZT130634_2017082ZT13108_C001 CS_OFFL_SIR_LRM_2_2017082ZT131644_2017082ZT133954_C001 CS_OFFL_SIR_LRM_2_2017082ZT131644_2017082ZT133954_C001 CS_OFFL_SIR_LRM_2_2017082ZT134319_2017082ZT132620_C001 CS_OFFL_SIR_LRM_2_2017082ZT134319_2017082ZT140704_C001 CS_OFFL_SIR_LRM_2_2017082ZT144006_2017082ZT140056_C001 CS_OFFL_SIR_LRM_2_2017082ZT144006_2017082ZT140056_C001 CS_OFFL_SIR_LRM_2_2017082ZT144006_2017082ZT140056_C001 CS_OFFL_SIR_LRM_2_2017082ZT143232_2017082ZT150553_C001 CS_OFFL_SIR_LRM_2_2017082ZT145095_2017082ZT154848_C001 CS_OFFL_SIR_LRM_2_2017082ZT155939_2017082ZT154848_C001 CS_OFFL_SIR_LRM_2_2017082ZT155460_2017082ZT154848_C001 CS_OFFL_SIR_LRM_2_2017082ZT155460_2017082ZT160007_C001 CS_OFFL_SIR_LRM_2_2017082ZT155646_2017082ZT160007_C001 CS_OFFL_SIR_LRM_2_2017082ZT1560843_2017082ZT160007_C001 CS_OFFL_SIR_LRM_2_2017082ZT1560843_2017082ZT160007_C001 CS_OFFL_SIR_LRM_2_2017082ZT1560843_2017082ZT160007_C001 CS_OFFL_SIR_LRM_2_2017082ZT1560843_2017082ZT160007_C001 CS_OFFL_SIR_LRM_2_2017082ZT1560843_2017082ZT160007_C001 CS_OFFL_SIR_LRM_2_2017082ZT1560843_2017082ZT160007_C001 CS_OFFL_SIR_LRM_2_2017082	CS_OFFL_SIR_LRM_220170822T101239_20170822T102129_C001		No DEM or Slope Model was used for the location of one or more records
Leight 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 and a height error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Re	CS_OFFL_SIR_LRM_220170822T102445_20170822T104559_C001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20170822T120416_20170822T123954_C001 CS_OFFL_SIR_LRM_2_20170822T120416_20170822T131108_C001 CS_OFFL_SIR_LRM_2_20170822T125634_20170822T131108_C001 CS_OFFL_SIR_LRM_2_20170822T131644_20170822T131108_C001 CS_OFFL_SIR_LRM_2_20170822T131644_20170822T13108_C001 CS_OFFL_SIR_LRM_2_20170822T134319_20170822T132620_C001 CS_OFFL_SIR_LRM_2_20170822T134319_20170822T140714_C001 CS_OFFL_SIR_LRM_2_20170822T134319_20170822T140714_C001 CS_OFFL_SIR_LRM_2_20170822T134319_20170822T140714_C001 CS_OFFL_SIR_LRM_2_20170822T1343232_20170822T140735_C001 CS_OFFL_SIR_LRM_2_20170822T14096_20170822T140553_C001 CS_OFFL_SIR_LRM_2_20170822T1403232_20170822T150553_C001 CS_OFFL_SIR_LRM_2_20170822T152939_20170822T150553_C001 CS_OFFL_SIR_LRM_2_20170822T152939_20170822T154848_C001 CS_OFFL_SIR_LRM_2_20170822T155546_20170822T154848_C001 CS_OFFL_SIR_LRM_2_20170822T155546_20170822T154848_C001 CS_OFFL_SIR_LRM_2_20170822T155546_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T160843_20170822T162117_C001 (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backs	CS_OFFL_SIR_LRM_220170822T105854_20170822T105952_C001		
Height Error (Retracker 2), Height Error (Retracker 3) and a height error for Retracker 2 and a height error for Retracker 3 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 There is a height and backscatter error for 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 and a height error (Retracker 2). Height Error (Retracker 2), Backscatter Error (Retracker 3), 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 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 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). Height Error (Retracker 2), 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 more records There is a height and backscatte	CS_OFFL_SIR_LRM_220170822T112306_20170822T114818_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	
Height Error (Retracker 2). Backscatter error for Retracker 2 for one or more records. CS_OFFL_SIR_LRM_2_20170822T131644_20170822T132620_C001 CS_OFFL_SIR_LRM_2_20170822T134319_20170822T140714_C001 CS_OFFL_SIR_LRM_2_20170822T143319_20170822T140714_C001 CS_OFFL_SIR_LRM_2_20170822T141906_20170822T142035_C001 CS_OFFL_SIR_LRM_2_20170822T143232_20170822T142035_C001 CS_OFFL_SIR_LRM_2_20170822T143232_20170822T150553_C001 CS_OFFL_SIR_LRM_2_20170822T143232_20170822T150553_C001 CS_OFFL_SIR_LRM_2_20170822T152939_20170822T150553_C001 CS_OFFL_SIR_LRM_2_20170822T152939_20170822T154848_C001 CS_OFFL_SIR_LRM_2_20170822T155546_20170822T154848_C001 CS_OFFL_SIR_LRM_2_20170822T155546_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T150843_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T150843_20170822T160843_20170822T162117_C001 CS_OFFL_SIR_LRM_2_20170822T160843_20170822T162117_C001 CS_OFFL_SIR_LRM_2_20170822T160843_2017	CS_OFFL_SIR_LRM_220170822T120416_20170822T123954_C001	(Retracker 3), Backscatter Error	
Height Error (Retracker 2), Backscatter error for Retracker 2 on one or more records CS_OFFL_SIR_LRM_2_20170822T134319_20170822T140714_C001 CS_OFFL_SIR_LRM_2_20170822T14906_20170822T142035_C001 CS_OFFL_SIR_LRM_2_20170822T143232_20170822T150553_C001 CS_OFFL_SIR_LRM_2_20170822T143232_20170822T150553_C001 CS_OFFL_SIR_LRM_2_20170822T152939_20170822T150553_C001 CS_OFFL_SIR_LRM_2_20170822T152939_20170822T153701_C001 CS_OFFL_SIR_LRM_2_20170822T152939_20170822T154848_C001 CS_OFFL_SIR_LRM_2_20170822T155546_20170822T154848_C001 CS_OFFL_SIR_LRM_2_20170822T155546_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T150843_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T160843_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T160843_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T160843_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T160843_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T160843_20170822T160007_C001 CS_OFFL_SIR_LRM_2_30170822T160843_20170822T160007_C001 C	CS_OFFL_SIR_LRM_220170822T125634_20170822T131108_C001	Height Error (Retracker 2), Backscatter	
Height Error (Retracker 2), Height Error (Retracker 2) and a height error (Retracker 3) ackscatter Error (Retracker 2) and a height error (Retracker 3) ackscatter Error (Retracker 2) and a height error (Retracker 3) ackscatter Error (Retracker 2) and a height error (Retracker 3) ackscatter Error (Retracker 2)	CS_OFFL_SIR_LRM_220170822T131644_20170822T132620_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_20170822T143232_20170822T150553_C001 CS_OFFL_SIR_LRM_2_20170822T152939_20170822T153701_C001 CS_OFFL_SIR_LRM_2_20170822T152939_20170822T153701_C001 CS_OFFL_SIR_LRM_2_20170822T154605_20170822T154848_C001 CS_OFFL_SIR_LRM_2_20170822T15546_20170822T154848_C001 CS_OFFL_SIR_LRM_2_20170822T155546_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T155546_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T160843_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T160843_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T160843_20170822T162117_C001 CS_OFFL_SIR_LRM_2_30170822T160843_20170822T162117_C001 CS_OFFL_SIR_LRM_2_30170822T160843_20170822T162117_C001 CS_OFFL_SIR_LRM_2_30170822T160843_20170822T162117_C001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 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_220170822T134319_20170822T140714_C001	(Retracker 3), Backscatter Error	
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20170822T152939_20170822T153701_C001 CS_OFFL_SIR_LRM_2_20170822T152939_20170822T153701_C001 CS_OFFL_SIR_LRM_2_20170822T154605_20170822T154848_C001 CS_OFFL_SIR_LRM_2_20170822T15546_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T15546_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T160843_20170822T162117_C001 CS_OFFL_SIR_LRM_2_20170822T160843_20170822T162117_C001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Ba	CS_OFFL_SIR_LRM_220170822T141906_20170822T142035_C001	Height Error (Retracker 2), Backscatter	
Height Error (Retracker 2), Height Error (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_20170822T154605_20170822T154848_C001 CS_OFFL_SIR_LRM_2_20170822T155546_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T160843_20170822T160007_C001 CS_OFFL_SIR_LRM_2_20170822T160843_20170822T162117_C001 Height Error (Retracker 2), Backscatter Error (CS_OFFL_SIR_LRM_220170822T143232_20170822T150553_C001	Height Error (Retracker 2), Backscatter	
Height Error (Retracker 2), Backscatter Error (Retracker 2), Backs	CS_OFFL_SIR_LRM_220170822T152939_20170822T153701_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
Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3)	CS_OFFL_SIR_LRM_220170822T154605_20170822T154848_C001	Height Error (Retracker 2), Backscatter	
Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3) for Retracker 3 for one or more records Height Error (Retracker 3), Backscatter Error (Retracker 3) for Retracker 3 for one or more records Height Error (Retracker 3), Backscatter Error (Retracker 3), Backsc	CS_OFFL_SIR_LRM_220170822T155546_20170822T160007_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Height Error (Petracker 2) Rackscatter. There is a height and backscatter error for Petracker 2 for one or more	CS_OFFL_SIR_LRM_220170822T160843_20170822T162117_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
Error (Retracker 2) records	CS_OFFL_SIR_LRM_220170822T162403_20170822T164507_C001	Height Error (Retracker 2), Backscatter	_

	Height Error (Betroeker 2) Height Error	
CS_OFFL_SIR_LRM_2_20170822T171426_20170822T172143_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_2_20170822T172238_20170822T172659_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_2_20170822T174906_20170822T182408_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_220170822T183232_20170822T183506_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20170822T184315_20170822T185546_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_220170822T185606_20170822T191331_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_220170822T192726_20170822T193340_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_220170822T193455_20170822T194635_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_220170822T194839_20170822T200321_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_2_20170822T202039_20170822T202828_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_220170822T203712_20170822T205326_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_220170822T215817_20170822T223241_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_220170822T225826_20170822T232048_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_220170822T232959_20170822T233326_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170822T233650_20170823T000443_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_220170822T001357_20170822T001511_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T002408_20170822T002527_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170822T011422_20170822T011546_C001	SARIn X-track Angle Error, Surface	records An ambiguous angle was detected for SARIn mode and no DEM or Slope
	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_220170822T015344_20170822T015507_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170822T020315_20170822T020427_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170822T033319_20170822T033444_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170822T034002_20170822T034308_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170822T051303_20170822T051603_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170822T051903_20170822T052242_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_220170822T065340_20170822T065614_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T065809_20170822T070036_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T070257_20170822T070434_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T074850_20170822T075009_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T075412_20170822T075531_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T082921_20170822T083456_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T083725_20170822T083750_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T084216_20170822T084355_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T092326_20170822T092410_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_220170822T092822_20170822T093031_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T101102_20170822T101239_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170822T102129_20170822T102334_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170822T110735_20170822T111220_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 20170822T115038 20170822T115205 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
	-	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170822T115347_20170822T115452_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170822T115919_20170822T120145_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170822T133014_20170822T133407_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170822T133958_20170822T134122_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_220170822T142043_20170822T142140_C001	Model Unavailable	Model was used for one or more records
CS_OFFL_SIR_SIN_2_20170822T151000_20170822T151313_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T151829_20170822T151940_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170822T164728_20170822T165148_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170822T165730_20170822T165851_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T173700_20170822T174108_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
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CS_OFFL_SIR_SIN_220170822T182523_20170822T182645_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T183507_20170822T183654_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T191332_20170822T191452_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T191911_20170822T192003_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T200428_20170822T200610_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T201141_20170822T201148_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T201310_20170822T201534_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T205327_20170822T205620_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T205705_20170822T205917_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_220170822T214317_20170822T214528_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T215055_20170822T215101_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T215211_20170822T215639_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T232332_20170822T232606_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T232937_20170822T232943_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170822T233327_20170822T233510_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	132	132	132	0	0
SIR_LRM_2	132	132	132	0	0
SIR_LRMI2_	132	132	132	0	0
SIR_SAR_1B	100	100	100	0	0
SIR_SAR_2	100	100	100	0	0
SIR_SARI2_	100	100	100	0	0
SIR_SIN_1B	106	106	106	0	0
SIR_SIN_2	106	106	106	0	0
SIR_SINI2	106	106	106	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:

190