



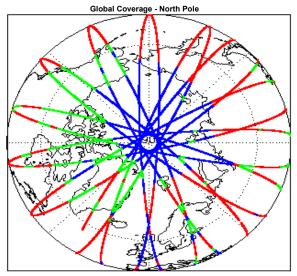
## 1. Overview

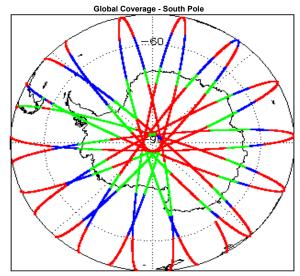
Report Production Date:	03-Oct-2018	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

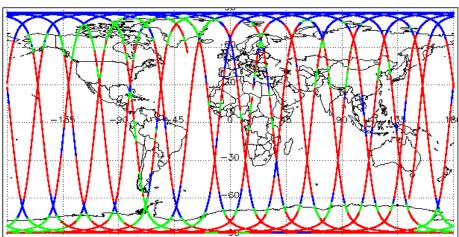
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File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

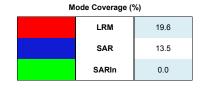
Miss	ion / Instru	ment News
01-	Sep-2018	None
02-	Sep-2018	None
03-	Sep-2018	Nothing planned

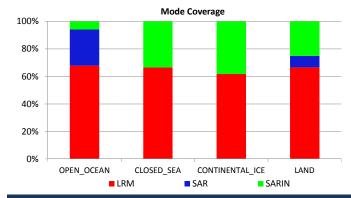
# 2. Global Coverage

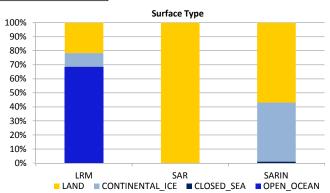












# 3. Instrument Configuration

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

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

## 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:

## 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_20180902T031025_20180902T031613_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_20180902T110154_20180902T113759_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_20180902T151248_20180902T151839_C001	IECDO ERROR I RK ECDO ERROR	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20180902T232409_20180902T235937_C001	Echo error, TRK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

#### 5. Level 2 Data Quality Check

## 5.1 L2 Product Format Check

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

Number of products with errors:

#### 5.2 L2 Product Header Analysis

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

Number of products with errors:

#### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

#### 5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors: 0

#### 5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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

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

Number of products with errors:

SCHOOLS (AND 2. DISSOCRATIONS) CONTROLLED CO	Product	Test Failed	Description
Application		Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
COUTLINE LIGHT CONTROL	55_61 / 2_611 <u></u> 21 100 550 / 1_250 1 1_25 15555 2 1555 155_555 1	,	
and pieces. 2  Co. Chill. Self. Labor. 2 introduction security of the control of	CS_OFFL_SIR_LRM_220180902T001408_20180902T002853_C001		
Page 1, 1941   2, 20   20   20   20   20   20   20	CS_OFFL_SIR_LRM_220180902T003335_20180902T005029_C001		<u> </u>
Expr (Edition 2)  (C) CHE, SP, LINE 2, 201000000000000000000000000000000000			
Concession and the concession of the concession	CS_OFFL_SIR_LRM_220180902T010823_20180902T012052_C001		
CO-PHE SIN LIABLE _ 20100027100032_00100027001000 C010 C0_PHE SIN LIABLE _ 20100027100100_00100027001000 C010 C0_PHE SIN LIABLE _ 20100027100100_001000270010000 C010 C0_PHE SIN LIABLE _ 201000271001000_001000270010000 C010 C0_PHE SIN LIABLE _ 201000271001000_001000270010000 C010 C0_PHE SIN LIABLE _ 201000271001000_001000270010000 C010 C0_PHE SIN LIABLE _ 201000271001000_0010000270010000 C010 C0_PHE SIN LIABLE _ 201000271001000000000000000000000000000	CS OFFI SID LDM 2 20180002T012404 20180002T014107 C001		There is a height and backscatter error for Retracker 2 and a height error
Co.,OFT_BIT_ON2_DIRROGITEDSS_DIRROGITEDS	C3_011		for Retracker 3 for one or more records
CS_OFF_SR_BILE_2_D080007102614_2010000710000F1 (1011  CS_OFF_SR_BILE_2_D080007102012 0.010000710000F1 (1011  CS_OFF_SR_BILE_2_D080007102012 0.010000710000F1 (1011  CS_OFF_SR_BILE_2_D08000710000710012 (1011  CS_OFF_SR_BILE_2_D08000710000710012 (1011  CS_OFF_SR_BILE_2_D08000710000710012 (1011  CS_OFF_SR_BILE_2_D08000710000710012 (1011  CS_OFF_SR_BILE_2_D08000710000710012 (1011  CS_OFF_SR_BILE_2_D08000710000710012 (1011  CS_OFF_SR_BILE_2_D0800071000071000071000071000071000071000071000071000071000071000071000007100000710000071000007100000710000071000071000071000071000071000007100007100007100007100007100007100007100007100007100007100007100007100007100007100007100007100000710000071000007100000710000071000007100007100007100007100000710000710000071000071000071000007100000	CC OFFI CID LDM 2 204000007020222 204000007024255 C004		There is a height and backscatter error for Retracker 2 and a height error
Figure (Inc.) (December 2), Unbestered 2, Un	C5_OFFL_SIR_ERW_2201609021020332_201609021021335_C001		for Retracker 3 for one or more records
COLORT JORN IN LAND _ DISSOCROTIONS DO _ DISSOCROTI	CS OFFL SIR LRM 2 20180902T021534 20180902T022917 C001		
Secret Secretary Control (1997) (Control (1997		,	
Security Control (1997) 1997 (	CS_OFFL_SIR_LRM_220180902T025125_20180902T025831_C001		
COLORFE SIRL LANDPORROXCOTTO STATE_DISSOCRATION   Color of more income in the property of the control of the control of the color of the control of the color	CS_OFFL_SIR_LRM_220180902T030253_20180902T030742_C001		
CS_OFFL_SRI_ENI_2_0000020700378_0000020701394_O000  CS_OFFL_SRI_ENI_2_0000020700392_0000020700395_O0	00 OFFI OID LDM 0 00400000700400F 004000007004040 0004	,	
CS_OFF_SIR_LIM_2_20100002710400_20100002710310_001  CS_OFF_SIR_LIM_2_20100002710400_20100002710310_001  CS_OFF_SIR_LIM_2_20100002710400_20100002710310_001  CS_OFF_SIR_LIM_2_201000027103000_20100002710310_001  CS_OFF_SIR_LIM_2_201000027103000_201000027103	C5_OFFL_SIR_LRW_2201809021031025_201809021031613_C001		
ES_OFF_SR_LINI_2_20100002T04941_2010002T05950_C001  ES_OFF_SR_LINI_2_20100002T05232_2010002T05100_C001  ES_OFF_SR_LINI_2_20100002T0523_2010002T05100_C001  Estimate from (Retained 2) Especial From (Retained 2) Especial a legislation of the control	CS_OFFL_SIR_LRM_220180902T031735_20180902T031944_C001		<u> </u>
CS_OFFL_SIR_LEM_2_20160027105124_0180027105050_C001  Helpft Error (Petrobox 2) 1, heavy term records  CS_OFFL_SIR_LEM_2_20160027105124_0180027105050_C001  Surface Model Unvenible  Helpft Error (Petrobox 2) 1, heavy term records  CS_OFFL_SIR_LEM_2_20160027105000_0016007105050_C001  Surface Model Unvenible  Helpft Error (Petrobox 2) 1, heavy term records  Helpft Error (Petrobox 2) 1, heavy term records  Helpft Error (Petrobox 2) 1, heavy term records  These is a height and backwarder error for Relatable 2 for on or more records  The same a height and backwarder error for Relatable 2 for one or more records  Helpft Error (Petrobox 2) 1, heavy term records  Helpft Error	CS OFFI SIR LPM 2 20180002T034641 20180002T040734 C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
SCOPEL SIN LOW 2 201000021700124 201000021700100 2010  SCOPEL SIN LOW 2 201000021700100 201000021700000 2010000021700000 201000021700000 201000021700000 201000021700000 201000021700000 201000021700000 201000021700000 201000021700000 201000021700000 201000021700000 201000021700000 201000021700000 201000021700000 201000021700000 2010000217000000 2010000217000000 2010000217000000 2010000217000000 2010000217000000 20100002170000000000	00_011		
CS_OPPL_SRL_PML2_201800027105332_01800007105332_0010  Significant Professional 2, Biodescript From Professional 2 in control of the Displant of one or more of the Control	CS_OFFL_SIR_LRM_220180902T042408_20180902T045135_C001		
Segment Segment 2, 2016/00/2019/2019/2019/2019/2019/2019/2019/2	CC OFFI CID LDM 2 20490000T054024 2040000T054029 0004		There is a height and backscatter error for Retracker 2 and a height error
GS_OFFL_SRL_PML20160002T000319_20160002T016935_C001  Surface Model Unvariable  Fine (Retinoter 2) and absolute more for Retinactor 2 for one or more records.  Fine (Retinoter 2) and absolute more for Retinactor 2 for one or more records.  Fine (Retinoter 2) and absolute more for Retinactor 2 for one or more records.  Fine (Retinoter 2) and absolute more for Retinactor 2 for one or more records.  Fine (Retinoter 2) and absolute more for Retinactor 2 for one or more records.  Fine (Retinoter 2) and absolute more for Retinactor 2 for one or more records.  Fine (Retinoter 2) and absolute more for Retinactor 2 for one or more records.  Fine (Retinoter 2) and absolute more for Retinactor 2 for one or more records.  Fine (Retinoter 2) and absolute more for Retinactor 2 for one or more records.  Fine (Retinoter 2) and absolute more for Retinactor 2 for one or more records.  Fine (Retinoter 2) and absolute more for Retinactor 2 for one or more records.  Fine (Retinoter 2) and absolute more for Retinactor 2 for one or more records.  Fine (Retinoter 2) and a height error (Retinoter	C5_OFFL_SIK_LRM_ZZ01809021051234_201809021051320_C001	,	
Co. CPFL_SRL_PML_2_201800027100031_201800027000330_0001  Co. CPFL_SRL_PML_2_20180002700031_201800027000300_0001  Co. CPFL_SRL_PML_2_201800027000342_001800027000300_0001  Co. CPFL_SRL_PML_2_201800027000342_001800027000300_0001  Co. CPFL_SRL_PML_2_201800027000342_0018000270030000000000000000000000000000000	CS OFFL SIR LRM 2 20180902T052330 20180902T054714 C001	Height Error (Retracker 2), Backscatter	
Seg. OFFL_SR_LINL_2_20180027109132_20180027109349_CODE  Seg. OFFL_SR_LINL_2_20180027109303_20180027109304_CODE  Seg. OFFL_SR_LINL_2_20180027109304_20180027109304_CODE  Seg. OFFL_SR_LINL_2_20180027109304_20180027109304_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027107302_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027107302_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027107302_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027107302_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027107302_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027109304_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027109304_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027109304_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027109304_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027109304_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027109305_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027109305_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027109305_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027109305_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027109305_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027109430_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027109430_CODE  Seg. OFFL_SR_LINL_2_20180027109305_20180027109430_CODE  Seg. OFFL_SR_LINL_2_20180027109430_CODE  Seg. OFFL_SR_LINL_2_20180027109430_		,	
Envi (Retasker 2)  So, OFFL, SRL, RNL, 2_2016000071001003_01600007100349_C010  CS_OFFL, SRL, RNL, 2_2016000071003403_C01000427103600_C010  CS_OFFL, SRL, RNL, 2_2016000071003403_C01000447_C001  CS_OFFL, SRL, RNL, 2_2016000071003403_C01000447_C001  CS_OFFL, SRL, RNL, 2_2016000071003403_C01000447_C001  CS_OFFL, SRL, RNL, 2_2016000071003403_C001  CS_OFFL, SRL, RNL, 2_20160000711003403_C001  CS_OFFL, SRL, RNL, 2_20160000711003403_C001  CS_OFFL, SRL, RNL, 2_20160000711003403_C001  CS_OFF	CS_OFFL_SIR_LRM_220180902T055600_20180902T055925_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LINL_2_20180920710939_20160920709590 CODE  CS_OFFL_SIR_LINL_2_20180920709590 20160920707188_CODE  CS_OFFL_SIR_LINL_2_20180920709590 20160920707188_CODE  CS_OFFL_SIR_LINL_2_20180920709590 20160920707188 CODE  CS_OFFL_SIR_LINL_2_20180920709590 20160920709590 CODE  CS_OFFL_SIR_LINL_2_20180920709590 CODE  CS_OFFL_SIR_LINL_2_20180920710959 CODE  CS_OFFL_SIR_LINL	CS_OFFL_SIR_LRM_220180902T060313_20180902T061353_C001		
Enris (Retrosker 2) Height From Chemotor 3 for one or more records and height error Chemotor 2) Height From Chemotor 3 for one or more records height error Chemotor 3 for one or more records height error Chemotor 3 for one or more records height error Chemotor 3 for one or more records height error Chemotor 3 for one or more records height error Chemotor 3 for one or more records height error Chemotor 3 for one or more records height error Chemotor 3 for one or more records height error Chemotor 3 for one or more records height error Chemotor 2) Height From Chemotor 3 for one or more records height error Chemotor 2) Height From Chemotor 2) Height		,	
(SPELSR_LRM_2_20180902107000_20180902107188_C001) (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter	C5_OFFL_SIR_LRM_2201809021061930_20180902T063549_C001	Error (Retracker 2)	
(Retacker 2), Backscatter from (Retacker 2), Backscatter from (Retacker 2) and a height error (Retacker 2), Backscatter from	CS OFFI SIR LRM 2 20180902T065048 20180902T065607 C001		
GS_OFFL_SIR_LRM_2_2019990271073036_201999027073830_0001  Surface Model Unavailable  No DEM or Skepe Model was used for the location of one or more records  Ferror (Retracker 2). Backscarter	55_67	(Retracker 2)	for Retracker 3 for one or more records
SOFFL_SIR_LRM_2_20180002T073036_20180902T107389_0001  Sufface Model Uharvaliable  Legist Error (Retracker 2)  Sufface Model Uharvaliable  Suff	CS OFFI SIR LPM 2 20180002T070000 20180002T071838 C001		There is a height and backscatter error for Retracker 2 and a height error
Neight Error (Retrocker 2), Backscatter error for Retracker 2 for one or more records for Retracker 2 for one or more records for Retracker 2 for one or more records for Retracker 2 for Retracker 3 for Retracker 3 for Retracker 2 for Retracker 3 for Retracker 3 for Retracker 3 for One or more records for Retracker 3 for New Retracker 3 for One or for Retracker 2 for Retracker 3 for One or for Retracker 3 fo	00_011		for Retracker 3 for one or more records
Error (Retracker 2)  S. OFFL_SIR_LEM_2_20180902T109224_20180902T091519_CO01  S. OFFL_SIR_LEM_2_20180902T091000_20180902T091519_CO01  S. OFFL_SIR_LEM_2_20180902T09224_20180902T091430_CO01  S. OFFL_SIR_LEM_2_20180902T09224_20180902T091430_CO01  S. OFFL_SIR_LEM_2_20180902T09224_20180902T091430_CO01  S. OFFL_SIR_LEM_2_20180902T109224_20180902T091430_CO01  S. OFFL_SIR_LEM_2_20180902T106219_20180902T0915750_CO01  S. OFFL_SIR_LEM_2_20180902T106413_20180902T103228_CO01  S. OFFL_SIR_LEM_2_20180902T105413_20180902T105420_CO01  S. OFFL_SIR_LEM_2_20180902T105443_20180902T105420_CO01  S. OFFL_SIR_LEM_2_20180902T105443_20180902T105420_CO01  S. OFFL_SIR_LEM_2_20180902T10542_20180902T105420_CO01  S. OFFL_SIR_LEM_2_20180902T10542_20180902T105420_CO01  S. OFFL_SIR_LEM_2_20180902T10542_20180902T105420_CO01  S. OFFL_SIR_LEM_2_20180902T10542_20180902T123327_CO01  S. OFFL_SIR_LEM_2_20180902T123327_20180902T123327_CO01  S. OFFL_SIR_LEM_2_20180902T125552_CO01  S. OFFL_SIR_LEM_2_20180902T140562_20180902T123327_CO01  S. OFFL_SIR_LEM_2_20180902T125552_CO01  S. OFFL_SIR_LEM_2_20180902T140562_20180902T130834_CO01  S. OFFL_SIR_LEM_2_20180902T125552_CO01  S. OFFL_SIR_LEM_2_20180902T125552_C001  S. OFFL_SIR_LEM_2_20180902T125552_C001  S. OFFL_SIR_LEM_2_20180902T125552_C001  S. OFFL_SIR_LEM_2_20180902T140562_0180902T130834_CO01  S. OFFL_SIR_LEM_2_20180902T140562_0180902T130804_CO01  S. OFFL_SIR_LEM_2_20180902T140562_0180902T130804_CO01  S. OFFL_SIR_LEM_2_20180902T140562_0180902T130804_CO01  S. OFFL_SIR_LEM_2_20180902T140562_0180902T130804_CO01  S. OFFL_SIR_LEM_2_20180902T140562_0180902T140540_CO01  S. OFFL_SIR_LEM_2_20180902T140562_0180902T140540_CO01  S. OFFL_SIR_LEM_2_20180902T140562_0180902T140540_CO01  S. OFFL_SIR_L	CS_OFFL_SIR_LRM_220180902T073035_20180902T073829_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Error (Retracker 2)  S. OFFL_SIR_LEM_2_20180902T109224_20180902T091519_CO01  S. OFFL_SIR_LEM_2_20180902T091000_20180902T091519_CO01  S. OFFL_SIR_LEM_2_20180902T09224_20180902T091430_CO01  S. OFFL_SIR_LEM_2_20180902T09224_20180902T091430_CO01  S. OFFL_SIR_LEM_2_20180902T09224_20180902T091430_CO01  S. OFFL_SIR_LEM_2_20180902T109224_20180902T091430_CO01  S. OFFL_SIR_LEM_2_20180902T106219_20180902T0915750_CO01  S. OFFL_SIR_LEM_2_20180902T106413_20180902T103228_CO01  S. OFFL_SIR_LEM_2_20180902T105413_20180902T105420_CO01  S. OFFL_SIR_LEM_2_20180902T105443_20180902T105420_CO01  S. OFFL_SIR_LEM_2_20180902T105443_20180902T105420_CO01  S. OFFL_SIR_LEM_2_20180902T10542_20180902T105420_CO01  S. OFFL_SIR_LEM_2_20180902T10542_20180902T105420_CO01  S. OFFL_SIR_LEM_2_20180902T10542_20180902T105420_CO01  S. OFFL_SIR_LEM_2_20180902T10542_20180902T123327_CO01  S. OFFL_SIR_LEM_2_20180902T123327_20180902T123327_CO01  S. OFFL_SIR_LEM_2_20180902T125552_CO01  S. OFFL_SIR_LEM_2_20180902T140562_20180902T123327_CO01  S. OFFL_SIR_LEM_2_20180902T125552_CO01  S. OFFL_SIR_LEM_2_20180902T140562_20180902T130834_CO01  S. OFFL_SIR_LEM_2_20180902T125552_CO01  S. OFFL_SIR_LEM_2_20180902T125552_C001  S. OFFL_SIR_LEM_2_20180902T125552_C001  S. OFFL_SIR_LEM_2_20180902T125552_C001  S. OFFL_SIR_LEM_2_20180902T140562_0180902T130834_CO01  S. OFFL_SIR_LEM_2_20180902T140562_0180902T130804_CO01  S. OFFL_SIR_LEM_2_20180902T140562_0180902T130804_CO01  S. OFFL_SIR_LEM_2_20180902T140562_0180902T130804_CO01  S. OFFL_SIR_LEM_2_20180902T140562_0180902T130804_CO01  S. OFFL_SIR_LEM_2_20180902T140562_0180902T140540_CO01  S. OFFL_SIR_LEM_2_20180902T140562_0180902T140540_CO01  S. OFFL_SIR_LEM_2_20180902T140562_0180902T140540_CO01  S. OFFL_SIR_L		Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LEM_2_20180902T109255_20180902T109427_C001  Soffl_SIR_LEM_2_20180902T091006_20180902T091519_C001  Soffl_SIR_LEM_2_20180902T091006_20180902T091519_C001  Soffl_SIR_LEM_2_20180902T094015_20180902T095750_C001  Soffl_SIR_LEM_2_20180902T094015_20180902T095750_C001  Soffl_SIR_LEM_2_20180902T102019_20180902T109220_C001  CS_OFFL_SIR_LEM_2_20180902T102019_20180902T109220_C001  CS_OFFL_SIR_LEM_2_20180902T103413_20180902T104423_C001  CS_OFFL_SIR_LEM_2_20180902T103413_20180902T104423_C001  CS_OFFL_SIR_LEM_2_20180902T105148_20180902T105420_C001  CS_OFFL_SIR_LEM_2_20180902T105148_20180902T105420_C001  CS_OFFL_SIR_LEM_2_20180902T105148_20180902T105420_C001  CS_OFFL_SIR_LEM_2_20180902T105148_20180902T105420_C001  CS_OFFL_SIR_LEM_2_20180902T105420_C001  CS_OFFL_SIR_LEM_2_20180902T125732_20180902T125552_C001  CS_OFFL_SIR_LEM_2_20180902T125732_20180902T125552_C001  CS_OFFL_SIR_LEM_2_20180902T125732_20180902T125552_C001  CS_OFFL_SIR_LEM_2_20180902T125732_20180902T130834_C001  CS_OFFL_SIR_LEM_2_20180902T14005_20180902T14265_C001  CS_OFFL_SIR_LEM_2_20180902T14005_20180902T14265_C001  CS_OFFL_SIR_LEM_2_20180902T14005_20180902T14265_C001  CS_OFFL_SIR_LEM_2_20180902T14005_20180902T14265_C001  CS_OFFL_SIR_LEM_2_20180902T14005_20180902T143840_C001  CS_OFFL_SIR_LEM_2_20180902T14005_20180902T143840_C001  CS_OFFL_SIR_LEM_2_20180902T14005_20180902T143840_C001  CS_OFFL_SIR_LEM_2_20180902T14005_20180902T143840_C001  CS_OFFL_SIR_LEM_2_20180902T14005_20180902T143840_C001  CS_OFFL_SIR_LEM_2_20180902T14005_20180902T143840_C001  CS_OFFL_SIR_LEM_2_20180902T14005_20180902T143840_C001  CS_OFFL_SIR_LEM_2_20180902T14005_20180902T143840_C001  CS_OFFL_SIR_LEM_2_20180902T14005_20180902T143840	CS_OFFL_SIR_LRM_2201809021074415_201809021081544_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20180902T093224_20180902T190519_C001  CS_OFFL_SIR_LRM_2_20180902T09506_20180902T19519_C001  CS_OFFL_SIR_LRM_2_20180902T09506_20180902T19519_C001  CS_OFFL_SIR_LRM_2_20180902T09506_20180902T195250_C001  CS_OFFL_SIR_LRM_2_20180902T102619_20180902T109575_C001  CS_OFFL_SIR_LRM_2_20180902T102619_20180902T109526_C001  CS_OFFL_SIR_LRM_2_20180902T103413_20180902T109526_C001  CS_OFFL_SIR_LRM_2_20180902T103413_20180902T1095001  CS_OFFL_SIR_LRM_2_20180902T109527_20180902T1095001  CS_OFFL_SIR_LRM_2_20180902T109527_20180902T125550_C001  CS_OFFL_SIR_LRM_2_20180902T12577_20180902T125550_C001  CS_OFFL_SIR_LRM_2_20180902T12577_20180902T130854_C001  CS_OFFL_SIR_LRM_2_20180902T12577_20180902T136550_C001  CS_OFFL_SIR_LRM_2_20180902T12577_20180902T130854_C001  CS_OFFL_SIR_LRM_2_20180902T12577_20180902T130854_C001  CS_OFFL_SIR_LRM_2_20180902T125757_20180902T130854_C001  CS_OFFL_SIR_LRM_2_20180902T125757_20180902T130854_C001  CS_OFFL_SIR_LRM_2_20180902T125757_20180902T130854_C001  CS_OFFL_SIR_LRM_2_20180902T125757_20180902T130854_C001  CS_OFFL_SIR_LRM_2_20180902T125757_20180902T130854_C001  CS_OFFL_SIR_LRM_2_20180902T125757_20180902T130854_C001  CS_OFFL_SIR_LRM_2_20180902T125757_20180902T130854_C001  CS_OFFL_SIR_LRM_2_20180902T125757_20180902T130854_C001  CS_OFFL_SIR_LRM_2_20180902T125757_20180902T130854_C001  CS_OFFL_SIR_LRM_2_20180902T140505_20180902T134854_C001  CS_OFFL_SIR_LRM_2_20180902T140505_20180902T134854_C001  CS_OFFL_SIR_LRM_2_20180902T140505_20180902T134854_C001  CS_OFFL_SIR_LRM_2_20180902T140505_20180902T143850_C001  CS_OFFL_SIR_LRM_2_20180902T140505_20180902T143850_C001  CS_OFFL_SIR_LRM_2_20180902T140505_20180902T143850_C001  CS_OFFL_SIR_LRM_2_20180902T140505_20180902T143850_C001  CS_OFFL_SIR_LRM_2_20180902T140505_20180902T143850_C001  CS_OFFL_SIR_LRM_2_20180902T140505_20180902T143850_C001  CS_OFFL_SIR_LRM_2_20180902T140505_20180902T143850_C001  CS_OFFL_SIR_LRM_2_20180902T140505_20180902T143850_C001  CS_OFFL_SIR_LRM_2_20180902T140505_20180902T143850_C001  CS_OFFL_SIR_LRM_2_20180902T140505_20180902T14385	CS_OFFL_SIR_LRM_220180902T082748_20180902T083004_C001		
SUFFL_SIR_LRM_2_201809027109109_201809027109459_C001  SUFFL_SIR_LRM_2_201809027109405_201809027109459_C001  SUFFL_SIR_LRM_2_201809027109405_201809027109459_C001  SUFFL_SIR_LRM_2_201809027109405_201809027109405_C001  SUFFL_SIR_LRM_2_201809027109405_201809027109405_C001  SUFFL_SIR_LRM_2_201809027109405_201809027109405_C001  SUFFL_SIR_LRM_2_201809027109405_201809027109405_C001  SUFFL_SIR_LRM_2_201809027109405_201809027109405_C001  SUFFL_SIR_LRM_2_201809027110940_201809027109405_C001  SUFFL_SIR_LRM_2_201809027110940_20180902711975_C001  SUFFL_SIR_LRM_2_20180902711954_20180902711975_C001  SUFFL_SIR_LRM_2_20180902711954_20180902711975_C001  SUFFL_SIR_LRM_2_20180902711954_20180902711975_C001  SUFFL_SIR_LRM_2_20180902711954_20180902711975_C001  SUFFL_SIR_LRM_2_20180902711954_20180902711975_C001  SUFFL_SIR_LRM_2_20180902711954_201809027119555_C001  SUFFL_SIR_LRM_2_20180902711954_20180902711955_C001  SUFFL_SIR_LRM_2_20180902711955_C001  SUFFL_SIR_LRM_2_20180902711950902711955_C001  SUFFL_SIR_LRM_2_20180902711950902711950902711955_C001  SUFFL_SIR_LRM_2_20180902711950902711950902711955_C001  SUFFL_SIR_LRM_2_2018090271195	CS OFFI SID LDM 2 20180002T085255 20180002T000427 C004	,	
SO OFFL_SIR_LRM_2_20180902T09433_C001  CS_OFFL_SIR_LRM_2_20180902T094615_20180902T10525_C001  CS_OFFL_SIR_LRM_2_20180902T10549_20180902T10525_C001  CS_OFFL_SIR_LRM_2_20180902T105413_20180902T105420_C001  CS_OFFL_SIR_LRM_2_20180902T105443_C001  CS_OFFL_SIR_LRM_2_20180902T105443_C001  CS_OFFL_SIR_LRM_2_20180902T105440_C001  CS_OFFL_SIR_LRM_2_20180902T105420_C001  CS_OFFL_SIR_LRM_2_20180902T105406_C0180902T105552_C001  CS_OFFL_SIR_LRM_2_20180902T105406_C0180902T105552_C001  CS_OFFL_SIR_LRM_2_20180902T105406_C0180902T105552_C001  CS_OFFL_SIR_LRM_2_20180902T105406_C0180902T105406_C001  CS	05_011	Error (Retracker 2)	records
Enror (Retracker 2)  CS_OFFL_SIR_LRML_2_2018009271026415_201800927193570_C001  Enror (Retracker 2)  Enror (Retrack	CS_OFFL_SIR_LRM_220180902T091006_20180902T091519_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20180902T10343_20180902T103226_C001  CS_OFFL_SIR_LRM_2_20180902T10343_20180902T103226_C001  CS_OFFL_SIR_LRM_2_20180902T10343_20180902T10423_C001  CS_OFFL_SIR_LRM_2_20180902T105428_20180902T105420_C001  CS_OFFL_SIR_LRM_2_20180902T105428_20180902T105420_C001  CS_OFFL_SIR_LRM_2_20180902T105428_20180902T105420_C001  CS_OFFL_SIR_LRM_2_20180902T105428_20180902T105420_C001  CS_OFFL_SIR_LRM_2_20180902T105428_20180902T105420_C001  CS_OFFL_SIR_LRM_2_20180902T105428_20180902T105420_C001  CS_OFFL_SIR_LRM_2_20180902T105420_100002T13759_C001  CS_OFFL_SIR_LRM_2_20180902T105420_100002T13759_C001  CS_OFFL_SIR_LRM_2_20180902T105420_100002T123327_C001  CS_OFFL_SIR_LRM_2_20180902T123327_20180902T123337_C001  CS_OFFL_SIR_LRM_2_20180902T123331_20180902T123331_C001  CS_OFFL_SIR_LRM_2_20180902T123331_20180902T125552_C001  CS_OFFL_SIR_LRM_2_20180902T125727_20180902T130834_C001  CS_OFFL_SIR_LRM_2_20180902T125727_20180902T134634_C001  CS_OFFL_SIR_LRM_2_20180902T125727_20180902T134634_C001  CS_OFFL_SIR_LRM_2_20180902T134030_E0180902T134634_C001  CS_OFFL_SIR_LRM_2_20180902T14005_20180902T144064_C001  CS_OFFL_SIR_LRM_2_20180902T14005_20180902T143840_C001  CS_OFFL_SIR_LRM_2_20180902T14005_20180902T141246_C001  CS_OFFL_SIR_LRM_2_20180902T14005_20180902T141246_C001  CS_OFFL_SIR_LRM_2_20180902T14005_20180902T141246_C001  CS_OFFL_SIR_LRM_2_20180902T14005_20180902T141246_C001  CS_OFFL_SIR_LRM_2_20180902T14005_20180902T141246_C001  CS_OFFL_SIR_LRM_2_20180902T14005_20180902T143840_C001  CS_OFFL_SIR_LRM_2_20180902T14005_20180902T140804_C001  CS_O	CS_OFFL_SIR_LRM_220180902T092224_20180902T094330_C001		
Error (Retracker 2) Error (Retracker 3) Error (Retracker 2) Error (Retracker 3) Error (Retracker 2) Error (Retracker 3) Error		,	
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) Error (Retracker 2) Height Error (Retracker 2) Error (Retr	CS_OFFL_SIR_LRM_2201809021094615_201809021095750_C001	Error (Retracker 2)	records
Height Error (Retracker 2), Height Error (Retracker 3 for one or more records for Retracker 2 and a height error (Retracker 3), Backscatter Error (Retracker 3 for one or more records for Retracker 3 for one	CS_OFFL_SIR_LRM_220180902T102619_20180902T103226_C001	, , , , , , , , , , , , , , , , , , , ,	
Relatacker 2   For Retracker 3 for one or more records			
Surface Model Unavailable  Surface Model Unavailable  Height Error (Retracker 2), Height Error (Retracker 2) and a height error or Retracker 2 and a 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 2 and a height error (Retracker 2), Backscatter error for Retracker 2 for one or more records  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  No DEM or Slope Model was used for the location of one or more records  No DEM or Slope Model was used for the location of one or more records  No DEM or Slope Model was used for the location of one or more records  No DEM or Slope Model was used for the location of one or more records  No DEM or Slope Model was used for the location of one or more records  No DEM or Slope Model was used for the location of one or more records  No DEM or Slope Model was used for the location of one or more records  Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Re	CS_OFFL_SIR_LRM_220180902T103413_20180902T104423_C001		
Height Error (Retracker 2), Height Error (Retracker 2) and a height error (Retracker 3) ackscatter Error (Retracker 2) ackscatter Error (Retracker 3) acksc	CS OFFI SID LDM 2 20180002T405148 20180002T405420 C004	,	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20180902T11954_20180902T1275C001  CS_OFFL_SIR_LRM_2_20180902T123132_20180902T12333T_C001  CS_OFFL_SIR_LRM_2_20180902T123332_20180902T12333T_C001  Surface Model Unavailable  Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter	35_511 E_011\_E1\181_2201003021103140_201003021103420_0001		The DEM of Glope Model was used for the location of the of Thore records
(Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retr	CS_OFFL_SIR_LRM_220180902T110154_20180902T113759_C001		
CS_OFFL_SIR_LRM_2_20180902T123132_20180902T12332T_C001  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 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 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracke		(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  No DEM or Slope Model was used for the location of one or more records  No DEM or Slope Model was used for the location of one or more records  No DEM or Slope Model was used for the location of one or more records  No DEM or Slope Model was used for the location of one or more records  There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error	CS_OFFL_SIR_LRM_220180902T114937_20180902T122157_C001		
CS_OFFL_SIR_LRM_2_20180902T123527_20180902T123831_C001  Surface Model Unavailable Height 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), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height 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 (	CS OFFI SIR I RM 2 20180902T123132 20180902T123327 C001	, i	
Height Error (Retracker 2), Height Error (Retracker 2) and a height 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 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatte			·
CS_OFFL_SIR_LRM_2_20180902T125727_20180902T130834_C001  CS_OFFL_SIR_LRM_2_20180902T130834_C001  CS_OFFL_SIR_LRM_2_20180902T13018_20180902T134634_C001  CS_OFFL_SIR_LRM_2_20180902T133018_20180902T134634_C001  CS_OFFL_SIR_LRM_2_20180902T133018_20180902T134634_C001  CS_OFFL_SIR_LRM_2_20180902T14005_20180902T141246_C001  CS_OFFL_SIR_LRM_2_20180902T14005_20180902T143447_C001  CS_OFFL_SIR_LRM_2_20180902T142021_20180902T143447_C001  CS_OFFL_SIR_LRM_2_20180902T142021_20180902T143447_C001  CS_OFFL_SIR_LRM_2_20180902T143557_20180902T143440_C001  CS_OFFL_SIR_LRM_2_20180902T143557_20180902T143840_C001  CS_OFFL_SIR_LRM_2_20180902T143557_20180902T15125_C001  CS_OFFL_SIR_LRM_2_20180902T15248_20180902T15125_C001  CS_OFFL_SIR_LRM_2_20180902T15248_20180902T151839_C001  CS_OFFL_SIR_LRM_2_20180902T15248_20180902T152403_C001  CS_OFFL_SIR_LRM_2_20180902T15243_20180902T152403_C001  CS_OFFL_SIR_LRM_2_20180902T152406_20180902T154406_C001  CS_OFFL_SIR_LRM_2_20180902T152406_20180902T154006_C001  CS_OFFL_SIR_LRM_2_20180902T152406_20180902T154406_C001	CS_OFFL_SIR_LRM_220180902T123527_20180902T123831_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20180902T125727_20180902T130834_C001   Retracker 2)   Height Error (Retracker 2)   Height Error (Retracker 3)   Backscatter Error (Retracker 3)   Backscatte	CC OFFI CID I DM 2 20400000T4040F0 2040000T40FF0 0004		There is a height and backscatter error for Retracker 2 and a height error
Height Error (Retracker 2), Height Error (Retracker 2) and a height error for Retracker 2 and a height error for Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  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 3), Backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 fo	00_0FFL_0IK_LKIVI_ZZU10U9UZ11Z4U00_ZU18U9UZ11Z555Z_CUU1		
(Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3) and a height error (Retracker 2) and a height error (Retracker 3) and and a height error (Retracker 3) and a height error (Retrac	OC OFFI OID LDM 2 20400000T40F707 00400000T40000 0004	Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 and a height error
Height Error (Retracker 2), Height Error (Retracker 2) and a height error (Retracker 2) and a height error (Retracker 3) ackscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  CS_OFFL_SIR_LRM_2_20180902T141005_20180902T141246_C001  CS_OFFL_SIR_LRM_2_20180902T142021_20180902T143417_C001  CS_OFFL_SIR_LRM_2_20180902T143557_20180902T143840_C001  CS_OFFL_SIR_LRM_2_20180902T143557_20180902T143840_C001  CS_OFFL_SIR_LRM_2_20180902T150908_20180902T151125_C001  CS_OFFL_SIR_LRM_2_20180902T151248_20180902T151248_20180902T151839_C001  CS_OFFL_SIR_LRM_2_20180902T152123_20180902T152403_C001  CS_OFFL_SIR_LRM_2_20180902T152406_20180902T152403_C001  CS_OFFL_SIR_LRM_2_20180902T152406_20180902T154406_C001  Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error	CO_OFFL_SIK_LKIVI_ZZU18090Z17Z57Z1_ZU18090Z1130834_C001		
CS_OFFL_SIR_LRM_2_20180902T141005_20180902T141246_C001  CS_OFFL_SIR_LRM_2_20180902T142021_20180902T143417_C001  CS_OFFL_SIR_LRM_2_20180902T142021_20180902T143417_C001  CS_OFFL_SIR_LRM_2_20180902T143557_20180902T143840_C001  CS_OFFL_SIR_LRM_2_20180902T150908_20180902T151125_C001  CS_OFFL_SIR_LRM_2_20180902T150908_20180902T1512839_C001  CS_OFFL_SIR_LRM_2_20180902T151248_20180902T151248_20180902T152403_C001  CS_OFFL_SIR_LRM_2_20180902T152123_20180902T152403_C001  CS_OFFL_SIR_LRM_2_20180902T152406_20180902T154406_C001  CS_OFFL_SIR_L	OC OFFI OID LDM 0. 20420000T420040 0042000T104004 0004	Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_2_20180902T14205_20180902T143417_C001  CS_OFFL_SIR_LRM_2_20180902T142021_20180902T1434417_C001  CS_OFFL_SIR_LRM_2_20180902T143557_20180902T143840_C001  CS_OFFL_SIR_LRM_2_20180902T150908_20180902T15125_C001  CS_OFFL_SIR_LRM_2_20180902T151248_20180902T15125_C001  CS_OFFL_SIR_LRM_2_20180902T151248_20180902T15125_C001  CS_OFFL_SIR_LRM_2_20180902T151248_20180902T15125_C001  CS_OFFL_SIR_LRM_2_20180902T151248_20180902T15125_C001  CS_OFFL_SIR_LRM_2_20180902T151248_20180902T15125_C001  CS_OFFL_SIR_LRM_2_20180902T151248_20180902T15125_C001  CS_OFFL_SIR_LRM_2_20180902T152403_C001  CS_OFFL_SIR_LRM_2_20180902T152123_20180902T152403_C001  CS_OFFL_SIR_LRM_2_20180902T152406_20180902T154406_C001  Surface Model Unavailable  No DEM or Slope Model was used for the location of one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 2 and a height error (Retracker 2). Height Error (Retracker 2). Height Error (Retracker 2). Height Error (Retracker 2). Height Error (Retracker 3). Backscatter Error (Retracker 2). Height Error (Retracker 2). Height Error (Retracker 2). Height Error (Retracker 3). Backscatter Error (Retracker 3	C5_OFFL_SIK_LRM_Z201809021133018_20180902T134634_C001		
Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retrac	CS OFFL SIR LRM 2 20180902T141005 20180902T141248 C001	,	No DEM or Slope Model was used for the location of one or more records
Error (Retracker 2)  CS_OFFL_SIR_LRM_2_20180902T143557_20180902T143840_C001  Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3) for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and a height error (Retracker 3) for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 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 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracke	o		·
CS_OFFL_SIR_LRM_2_20180902T15357_20180902T15125_C001  CS_OFFL_SIR_LRM_2_20180902T151248_20180902T151125_C001  CS_OFFL_SIR_LRM_2_20180902T151248_20180902T151839_C001  CS_OFFL_SIR_LRM_2_20180902T15248_20180902T152403_C001  CS_OFFL_SIR_LRM_2_20180902T152123_20180902T152403_C001  CS_OFFL_SIR_LRM_2_20180902T152406_20180902T154406_C001  (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3) for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_220180902T142021_20180902T143417_C001		~
CS_OFFL_SIR_LRM_2_20180902T150908_20180902T151125_C001  CS_OFFL_SIR_LRM_2_20180902T151248_20180902T151125_C001  CS_OFFL_SIR_LRM_2_20180902T151248_20180902T151839_C001  CS_OFFL_SIR_LRM_2_20180902T152123_20180902T152403_C001  CS_OFFL_SIR_LRM_2_20180902T152123_20180902T152403_C001  CS_OFFL_SIR_LRM_2_20180902T152123_20180902T152403_C001  CS_OFFL_SIR_LRM_2_20180902T152406_20180902T154406_C001	CC OFFI CID I DM 2 20400000T440FF7 20400000T440040 0004		There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_2_20180902T150908_20180902T151125_C001  CS_OFFL_SIR_LRM_2_20180902T151248_20180902T151839_C001  CS_OFFL_SIR_LRM_2_20180902T15243_20180902T152403_C001  CS_OFFL_SIR_LRM_2_20180902T152123_20180902T152403_C001  CS_OFFL_SIR_LRM_2_20180902T152406_20180902T154406_C001  Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 3),	CO_OFFL_SIK_LKIVI_ZZU18090Z114395/_ZU18090Z1143840_C001		
CS_OFFL_SIR_LRM_2_20180902T151248_20180902T151839_C001  Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter	CS_OFFL_SIR_LRM_2	Height Error (Retracker 2), Backscatter	~
Error (Retracker 2)  CS_OFFL_SIR_LRM_2_20180902T152403_C001  Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3) Backscatter Error (Retracker 2)  CS_OFFL_SIR_LRM_2_20180902T152406_20180902T154406_C001  Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 3) for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records			
CS_OFFL_SIR_LRM_2_20180902T152123_20180902T152403_C001  (Retracker 3), Backscatter Error (Retracker 2) Infere is a height and backscatter error for Retracker 3 and a neight error for Retracker 3 for one or more records  CS_OFFL_SIR_LRM_2_20180902T152406_20180902T154406_C001  (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) Infere is a height and backscatter error for Retracker 2 and a neight error for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_220180902T151248_20180902T151839_C001	Error (Retracker 2)	
(Retracker 2)  CS_OFFL_SIR_LRM_2_20180902T152406_20180902T154406_C001  (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2)  There is a height and backscatter error for Retracker 2 for one or more records	CS OFFI SIR LRM 2 20180002T152123 20180002T152403 C004		
Error (Retracker 2) records	55_511 E_011\_E1\w_2201003021132123_201003021132403_0001		for Retracker 3 for one or more records
Elloi (Retiackei 2)	CS_OFFL_SIR_LRM_220180902T152406_20180902T154406_C001		
Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records		·	
	CO_OLITE_SIK_EKIVI_Z201003021134739_201603021135039_C001	Surface Model Offavallable	IND DEM DI SIDPE MODE WAS USED TO THE IDEALION OF ONE OF MORE RECORDS

CS_OFFL_SIR_LRM_220180902T155957_20180902T162357_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CC OFFI CID LDM 2 204000007462444 20400007462452 0004	(Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_20180902T163411_20180902T163453_C001	Error (Retracker 2) Height Error (Retracker 2), Height Error	records  There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_220180902T165912_20180902T172335_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180902T173925_20180902T180351_C001	Error (Retracker 2) Height Error (Retracker 2), Height Error	records
CS_OFFL_SIR_LRM_220180902T180824_20180902T181715_C001	(Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180902T183117_20180902T184628_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_220180902T192639_20180902T193338_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_220180902T200803_20180902T204115_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_220180902T205922_20180902T211449_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_220180902T214517_20180902T215639_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_220180902T215925_20180902T222020_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_220180902T223748_20180902T225659_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_220180902T225737_20180902T230212_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_220180902T230325_20180902T231106_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180902T231113_20180902T231142_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
22. 0.5.1 0.1.1 1.1.4 0. 0.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	Error (Retracker 2) Height Error (Retracker 2), Height Error	records  There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_220180902T232409_20180902T235937_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_SIN_2_20180902T000155_20180902T000300_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T000601_20180902T000705_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T005120_20180902T005256_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20180902T005844_20180902T005847_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T010023_20180902T010225_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20180902T014403_20180902T014619_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_20180902T023034_20180902T023222_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T023757_20180902T023800_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20180902T023902_20180902T024555_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20180902T031944_20180902T032451_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_20180902T040940_20180902T041253_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T041639_20180902T041646_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20180902T041942_20180902T042157_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20180902T054906_20180902T055034_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20180902T055926_20180902T060048_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T064751_20180902T064827_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_220180902T072910_20180902T073034_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T073830_20180902T073942_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T090840_20180902T091006_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T091519_20180902T091821_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T104843_20180902T105148_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T105420_20180902T105932_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T114522_20180902T114912_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T122858_20180902T123132_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T123327_20180902T123527_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20180902T123832_20180902T123955_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220180902T132407_20180902T132523_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220180902T132733_20180902T133018_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS OFFL SIR SIN 2 20180902T140357 20180902T141005 C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180902T141247_20180902T141304_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180902T1417247_20180902T141913_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
		records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180902T150335_20180902T150550_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_220180902T150640_20180902T150908_C001	Model Unavailable	Model was used for one or more records

CS_OFFL_SIR_SIN_220180902T154617_20180902T154759_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T155640_20180902T155827_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T164258_20180902T164743_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_220180902T172554_20180902T172727_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T172859_20180902T173013_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T173434_20180902T173713_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T190537_20180902T190926_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T191513_20180902T191633_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T195609_20180902T195652_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_220180902T204517_20180902T204831_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T205344_20180902T205501_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T222234_20180902T222651_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T223249_20180902T223403_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T231201_20180902T231436_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180902T231459_20180902T231623_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records

# 6. QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_LRM_1B	146	146	146	0	0
SIR_LRM_2	144	144	144	0	0
SIR_LRMI2_	144	144	144	0	0
SIR_SAR_1B	95	95	95	0	0
SIR_SAR_2	95	95	95	0	0
SIR_SARI2_	95	95	95	0	0
SIR_SIN_1B	105	105	105	0	0
SIR_SIN_2	105	105	105	0	0
SIR_SINI2	105	105	105	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:

157