



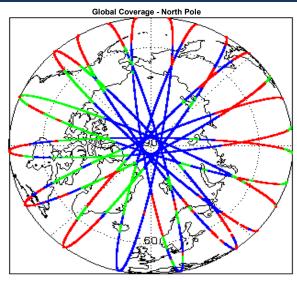
## 1. Overview

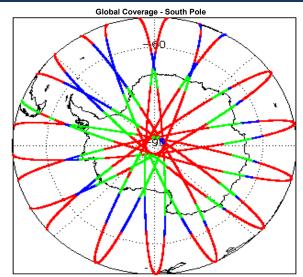
Report Production Date:	29-Jun-2018	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

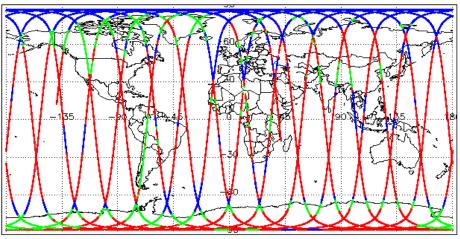
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File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

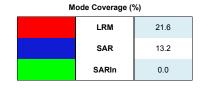
Mission / Instru	ument News
26-May-2018	None
27-May-2018	None
28-May-2018	Nothing planned

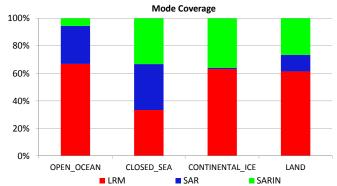
## 2. Global Coverage

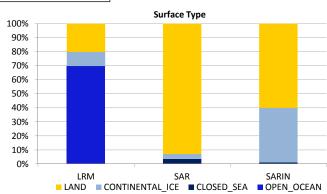












# 3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
OntAL modulion(3) in doc.	OIIVAL - 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: 0

### 4.5 L1B Auxilary Data File Usage Check

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

Number of products with errors:

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#### 4.6 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag (field 54) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

#### 4.7 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement record. The bit value of this flag indicates any problems when set

Currently, there are several common error flags raised in the Level 1B products which are expected due to operational mode or surface type. All common flags are summarised in the list below, followed by a table of any additional issues arising from this test.

Block Degraded Flag: This flag is currently set for a number of individual records generally at the start or end of products (all modes), but this is to be expected.

Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, indicating that the ADC correction application is deactivated, but this is in line with the current configuration.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20180527T214545_20180527T215031_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

### 5. Level 2 Data Quality Check

### 5.1 L2 Product Format Check

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

Number of products with errors:

#### 5.2 L2 Product Header Analysis

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

Number of products with errors:

### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

### 5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

### 5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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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:

Heart For Chinade 2 / Dissolation and a series of the control of control of the c	Product	Test Failed	Description
Description	CS_OFFL_SIR_LRM_220180526T234618_20180527T000726_C001		
Seguing Formulation 2. Unique transport 2. Uni	CS OFFI SID LDM 2 20190527T000959 20190527T001119 C001	,	
South Line (Line) 2. 2018027710370 201802711030 COS 10002710300 COS 100027103103 COS 10002710300 COS 100027103	C3_011		
Each SHL CAN 2 2018027100002 20180227100002 (2018) CR CHL SHL CAN 2 2018027100002 20180227100000 (2018) CR CHL SHL CAN 2 2018027100000 20180227100000 (2018) CR CHL SHL CAN 2 20180271000000 2018027100000 (2018) CR CHL SHL CAN 2 2018027100000 2018027100000 (2018) CR CHL SHL CAN 2 2018027100000 (2018)	CS_OFFL_SIR_LRM_220180527T001406_20180527T001512_C001		*
Heap Environmental Substantial error for femiorar 2 and a neight earth professor 5, locational rate of the second state of the	CS_OFFL_SIR_LRM_220180527T002331_20180527T002426_C001		
CB_CPTL_SR_LINE_2_DISSOTTIONS_COMESTITIONS_C			
Segion (Performace 2), inspectation (Performace 2) and adequate error for intensive 2 are a lergif and missacratic from (Performace 3), inspectation (Performace	CS_OFFL_SIR_LRM_220180527T003705_20180527T011100_C001	(Retracker 3), Backscatter Error	
Co. OFF., SRI, LEM. 2. 20180627T000001 (2018027T000001) (		,	
Les OFFL Silts Librar 2 _ 20180271102207 (2019)   Engineering Conference 2), Residential Enginee	CS_OFFL_SIR_LRM_220180527T020033_20180527T020433_C001	(Retracker 3), Backscatter Error	
Legis France (Flancedor 2)  Legis France (Flancedor 2)  Legis France (Flancedor 2)  Legis France (Flancedor 2)  Legis France (Flancedor 3)  Le	00 OFFI OID LDM 0 00400F07T004704 00400F07T000FF0 0004		There is a height and backscatter error for Retracker 2 for one or more
Co. CH. S. M. LAN 2_ DIRECTION CONTROL 2018 STATE CONTROL CONT	C5_OFFL_SIR_LRM_2201605271021701_201605271022550_C001		records
Co., DEL_BILLIM_2_20100277101984_0000277103195.001  Co., DEL_BILLIM_2_20100277101984_0000277103195.001  Co., DEL_BILLIM_2_20100277101984_0000277103195.001  Co., DEL_BILLIM_2_20100277101984_00100277103195.001  Co., DEL_BILLIM_2_20100277101984_00100277103195.001  Co., DEL_BILLIM_2_20100277103195_0000277103195.001  Co., DEL_BILLIM_2_201000277103195_0000277103195.001  Co., DEL_BILLIM	CS_OFFL_SIR_LRM_220180527T022837_20180527T025012_C001		
Early Revealed 2  G. G.F.F., S.H. LEW 2. 20100327703547. 20100327703549. COOL  G. G.F.F., S.H. LEW 2. 20100327703567. 20100327703590. COOL  G. G.F.F., S.H. LEW 2. 20100327703667. 20100327703691. COOL  G. G.F.F., S.H. LEW 2. 20100327703667. 20100327703691. COOL  G. G.F.F., S.H. LEW 2. 20100327703667. 20100327703692. COOL  G. G.F.F., S.H. LEW 2. 20100327703647. 20100327703693. COOL  G. G.F.F., S.H. LEW 2. 20100327703647. 20100327703690. COOL  G. G.F.F., S.H. LEW 2. 201003277103647. 20100327703690. COOL  G. G.F.F., S.H. LEW 2. 201003277103647. 20100327703690. COOL  G. G.F.F., S.H. LEW 2. 201003277103647. 201003277103690. COOL  G. G.F.F., S.H. LEW 2. 201003277103647. 20100327703690. COOL  G. G.F.F., S.H. LEW 2. 201003277103647. 201003277103690. COOL  G. G.F.F., S.H. LEW 2. 201003277103690. 201003277103690. CO		,	
Service Personal Processor (1986) and processor (19	CS_OFFL_SIR_LRM_220180527T030516_20180527T031706_C001		*
GS_GPFL_SIN_LINA_2_20165527T05693_2016527T05693_C016527T05	CS_OFFL_SIR_LRM_220180527T031854_20180527T032511_C001		
CS_OFF_SILLAM_2_2018627T163985_2018627T163981_CO.  SOFF_SILLAM_2_2018627T163981_CO.  SOFF_SILLAM_2_2018627T163981_CO.  SOFF_SILLAM_2_2018627T163981_CO.  SOFF_SILLAM_2_2018627T163981_CO.  SOFF_SILLAM_2_2018627T163981_CO.  SOFF_SILLAM_2_2018627T163981_CO.  SOFF_SILLAM_2_2018627T163981_CO.  SOFF_SILLAM_2_2018627T163981_CO.  SOFF_SILLAM_2_2018627T163982_CO.  SOFF_SILLAM_2_2018627T163983_CO.  SOFF_SILLAM_2	CS OEEL SID LDM 2 20190527T022647 20190527T023129 C001		
Entire (Febracker 2), designation (Designation (Designation (Designation 2)), designation (Designation 2), designation 2), designation (Designation 2), designation (Designation 2), designation 2), designati	C3_OFFE_SHV_ERWI_2201003271032047_201003271033120_C001	, ,	
Enrol (Personate 2)	CS_OFFL_SIR_LRM_220180527T035639_20180527T042914_C001		-
OS_OFFL_SRL_FRU_2_01000271004052_010002710010020_0010  OS_OFFL_SRL_FRU_2_01000271004052_0100027100040_0010  OS_OFFL_SRL_FRU_2_0100027100404_010007100402_0010  OS_OFFL_SRL_FRU_2_0100027100404_010007100400_0010  OS_OFFL_SRL_FRU_2_0100027100404_010007100400010  OS_OFFL_SRL_FRU_2_0100027100402_0100071004000010  OS_OFFL_SRL_FRU_2_0100027100402_0100071004000010  OS_OFFL_SRL_FRU_2_0100027100402_0100071004000010  OS_OFFL_SRL_FRU_2_0100027100402_0100071004000010  OS_OFFL_SRL_FRU_2_0100027100402_0100071004000010  OS_OFFL_SRL_FRU_2_0100027100402_0100071004000010  OS_OFFL_SRL_FRU_2_0100027100402_0100071004000010  OS_OFFL_SRL_FRU_2_0100027100402_010007100400001000000000000000000000000	CS_OFFL_SIR_LRM_220180527T044746_20180527T051800_C001	, ,	ŭ
Seg. Geff_Six Link _ 2_colleador71063612_20180277100040_C001  CS_GEFf_Six Link _ 2_colleador71063612_20180277100040_C001  CS_GEFf_Six Link _ 2_colleador71063612_20180277100640_C001  CS_GEFf_Six Link _ 2_colleador71063612_20180277100640_C001  CS_GEFf_Six Link _ 2_colleador71063612_2018027710640_C001  CS_GEFf_Six Link _ 2_colleador71063612_2018027710640_C001  CS_GEFf_Six Link _ 2_colleador71063612_2018027710640_C001  CS_GEFf_Six Link _ 2_colleador71063612_2018027710640_C001  CS_GEFf_Six Link _ 2_colleador71063612_20180277106360_C001  CS_GEFf_Six Link _ 2_colleador71063612_20180277106360_C001  CS_GEFf_Six Link _ 2_colleador71063610_C001  CS_GEFf_Six Link _ 2_colleador71064012_colleador71063610_C001  CS_GEFf_Six Link _ 2_colleador71064012_colleador71064012_colleador71064012_colleador71064012_colleador71064012_colleador71064012_colleador71064012_colleador71064012_colleador71064012_colleador71064012_colleador71064012_colleador71064012_colleador71064012_colleador71064012_colleador71064012_colleador71064012_colleador711064012_colleador71064012_colleador71064012_colleador71064012_colleador71064012_colleador711064012_colleador71064012_colleador711064012_colleador711064012_colleador71064012_colleador71064012_colleador711064012_colleador71064012_colleador711064012_colleador		Height Error (Retracker 2), Height Error	
Se OFFL SIR LEM 2_201805271001602 D010  CS OFFL SIR LEM 2_201805271001607 (Newsber 2) and a height error for feature 2 and a height error for feature 3) advantage 47 (and a height error for feature 2 for one or more an another than 2 and a height error for feature 2 for one or more an another 3 and a height error for feature 2 for one or more an another 3 and a height error for feature 2 for one or more an another 3 and a height error for feature 2 for one or more an another 3 and a height error for feature 2 for one or more for feature 3 and a height error for feature 2 for one or more for feature 3 and a height error for feature 2 for one or more for feature 3 and a height error for	CS_OFFL_SIR_LRM_220180527T053651_20180527T055107_C001		
International Principles of the property of th	00.0551.000.1004.0.000	Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2, and a height error
SO OFFL_SR_LIMB_2_201805271063527 000505271053512_0005  CS_OFFL_SR_LIMB_2_20180527105414_20180527105412_0005  CS_OFFL_SR_LIMB_2_201805271073132_001  CS_OFFL_SR_LIMB_2_201805271073132_001  CS_OFFL_SR_LIMB_2_201805271073132_001  CS_OFFL_SR_LIMB_2_201805271073132_001  CS_OFFL_SR_LIMB_2_201805271073132_001  CS_OFFL_SR_LIMB_2_201805271073132_001  CS_OFFL_SR_LIMB_2_20180527100540_201805271073132_001  CS_OFFL_SR_LIMB_2_20180527100540_20180527100540_001  CS_OFFL_SR_LIMB_2_20180527100540_20180527100540_001  CS_OFFL_SR_LIMB_2_20180527100540_20180527100540_001  CS_OFFL_SR_LIMB_2_20180527100540_001  CS_OFFL_SR_LIMB_2_20180527100540_20180527100540_001  CS_OFFL_SR_LIMB_2_20180527100540_20180527100540_001  CS_OFFL_SR_LIMB_2_20180527100540_001  CS_OFFL_SR_LIMB_2_20180527100540_001  CS_OFFL_SR_LIMB_2_20180527100540_001  CS_OFFL_SR_LIMB_2_20180527100540_001  CS_OFFL_SR_LIMB_2_201805271100540_001  CS_OFFL_SR_LIMB_2_2018052711105520_001  CS_OFFL_SR_LIMB_2_2018052711105500_001  CS_OFFL_SR_LIMB_2_2018052711105500_001  CS_OFFL_SR_LIMB_2_2018052711105500_001  CS_OFFL_SR_LIMB_2_2018052711105500_001  CS_OFF	CS_OFFL_SIR_LRM_220180527T055312_20180527T060829_C001		
SOFFLSR_RRL2018052710441_2018052710442_201805271073132_C001  CS_OFFL_SRL_RRL20180527107404_201805271073132_C001  CS_OFFL_SRL_RRL20180527107404_201805271073132_C001  CS_OFFL_SRL_RRL20180527107404_201805271073132_C001  CS_OFFL_SRL_RRL20180527107404_201805271073132_C001  CS_OFFL_SRL_RRL20180527107404_201805271073132_C001  CS_OFFL_SRL_RRL20180527108040_20180527108316_C001  CS_OFFL_SRL_RRL20180527108040_20180527108040_C001  CS_OFFL_SRL_RRL20180527108040_201805271108040_C001  CS_OFFL_SRL_RRL201805271108040_201805271108040_C001  CS_OFFL_SRL_RRL201805271108040_201805271108040_C001  CS_OFFL_SRL_RRL201805271108040_201805271108040_C001  CS_OFFL_SRL_RRL201805271108040_201805271108040_C001  CS_OFFL_SRL_RRL201805271108040_201805271108040_C001  CS_OFFL_SRL_RRL201805271108040_C001  CS_OFFL_SRL_RRL201805271108040_C001  CS_OFFL_SRL_RRL201805271108040_C001  CS_OFFL_SRL_RRL201805271108040_C001  CS_OFFL_SRL_RRL201805271108040_C001  CS_OFFL_SRL_RRL201805271108040_C001  CS_OFFL_SRL_RRL201805271108040_C001  CS_OFFL_SRL_RRL201805271108040_C001  CS_OFFL_SRL_RRL201805271108040_C001  CS_OFFL_SRL_RRL201805271108040_C00180527111300_C001  CS_OFFL_SRL_RRL201805271108040_C00180527111300_C001  CS_OFFL_SRL_RRL201805271113000_20180527111300_C001  CS_OFFL_SRL_RRL201805271113000_20180527111300_C001  CS_OFFL_SRL_RRL201805271113000_20180527111300_C001  CS_OFFL_SRL_RRL20180527113000_20180527113000_C001  CS_OFFL_SRL_RRL20	CS_OFFL_SIR_LRM_220180527T062507_20180527T063521 C001	Height Error (Retracker 2), Backscatter	
OS_OFFL_SIR_LRM_2_20180527101402_2018052710252_0001  SOFFL_SIR_LRM_2_20180527107402_2018052710252_0001  SOFFL_SIR_LRM_2_20180527107402_2018052710312_0001  SOFFL_SIR_LRM_2_20180527103140_2018052710312_0001  SOFFL_SIR_LRM_2_20180527103140_2018052710315_0001  SOFFL_SIR_LRM_2_20180527103140_2018052710315_0001  SOFFL_SIR_LRM_2_2018052710313_0001  SOFFL_SIR_LRM_2_20180527103042_20180527110308_0001  SOFFL_SIR_LRM_2_20180527103042_20180527110308_0001  SOFFL_SIR_LRM_2_20180527103042_20180527110308_0001  SOFFL_SIR_LRM_2_201805271103042_20180527110088_0001  SOFFL_SIR_LRM_2_20180527110308_20180527111038_0001  SOFFL_SIR_LRM_2_2018052711030_20180527111038_0001  SOFFL_SIR_LRM_2_2018052711030_20180527111333_0001  SOFFL_SIR_LRM_2_2018052711030_20180527111333_0001  SOFFL_SIR_LRM_2_2018052711030_20180527111333_0001  SOFFL_SIR_LRM_2_2018052711030_20180527111333_0001  SOFFL_SIR_LRM_2_2018052711030_20180527111333_0001  SOFFL_SIR_LRM_2_2018052711030_20180527111333_0001  SOFFL_SIR_LRM_2_2018052711030_20180527111333_0001  SOFFL_SIR_LRM_2_2018052711030_20180527111333_0001  SOFFL_SIR_LRM_2_20180527111330_20180527111333_0001  SOFFL_SIR_LRM_2_2018052711030_20180527111333_0001  SOFFL_SIR_LRM_2_2018052711030_20180527111333_0001  SOFFL_SIR_LRM_2_2018052711030_20180527111333_0001  SOFFL_SIR_LRM_2_2018052711030_2018052711333_0001  SOFFL_SIR_LRM_2_2018052711030_2018052711333_0001  SOFFL_SIR_LRM_2_2018052711030_2018052711333_0001  SOFFL_SIR_LRM_2_2018052711030_2018052711333_0001  SOFFL_SIR_LRM_2_2018052711030_2018052711334_0001  SOFFL_SIR_LRM_2_2018052711030_2018052711334_0001  SOFFL_SIR_LRM_2_20180527110300_2018052711334_0001  SOFFL_SIR_LRM_2_20180527110300_2018052711334_0001  SOFFL_SIR_LRM_2_20180527110300_2018052711334_0001  SOFFL_SIR_LRM_2_20180527110300_2018052711334_0001  SOFFL_SIR_LRM_2_20180527110300_2018052711334_0001  SOFFL_SIR_LRM_2_20180527110300_2018052711334_0001  SOFFL_SIR_LRM_2_20180527110300_2018052711334_0001  SOFFL_SIR_LRM_2_20180527113340_20018052711334_0001  SOFFL_SIR_LRM_2_20180527113340_200180527113340_0001  SOFFL_SIR_LRM_2			
Height Error (Retracker 2), Backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter (Perror (Retracker 3), Backscatter error (Retracker 2), B	CS_OFFL_SIR_LRM_220180527T064141_20180527T065412_C001	(Retracker 3), Backscatter Error	
SOFFL_SIR_LRM_2_20180527107849_201805271073132_CO01  GREINAGER J. SIR_LRM_2_201805271080142_201805271083510_CO01  GREINAGER J. SIR_LRM_2_201805271080142_201805271083510_CO01  GS_OFFL_SIR_LRM_2_2018052710803735_D1805271083510_CO01  GS_OFFL_SIR_LRM_2_2018052710803735_D180527108040_CO01  GS_OFFL_SIR_LRM_2_20180527108040_20180527109040_CO01  GS_OFFL_SIR_LRM_2_20180527109040_Z0180527110040_CO01  GS_OFFL_SIR_LRM_2_20180527109040_Z0180527110040_CO01  GS_OFFL_SIR_LRM_2_20180527110040_Z0180527110040_CO01  GS_OFFL_SIR_LRM_2_20180527110040_Z0180527110040_CO01  GS_OFFL_SIR_LRM_2_201805271104109_Z0180527110040_CO01  GS_OFFL_SIR_LRM_2_201805271104109_Z0180527110040_CO01  GREINAGER J. SIR_LRM_2_201805271104109_Z0180527110040_CO01  GREINAGER J. SIR_LRM_2_201805271104109_Z0180527110040_CO01  GREINAGER J. SIR_LRM_2_201805271104109_Z0180527110040_CO01  GREINAGER J. SIR_LRM_2_20180527110409_Z0180527110040_CO01  GS_OFFL_SIR_LRM_2_201805271110308_Z01805271110040_CO01  GS_OFFL_SIR_LRM_2_201805271110308_Z01805271110040_CO01  GS_OFFL_SIR_LRM_2_201805271110308_Z01805271110040_CO01  GS_OFFL_SIR_LRM_2_201805271110308_Z01805271110040_CO01  GS_OFFL_SIR_LRM_2_201805271110308_Z01805271110040_CO01  GS_OFFL_SIR_LRM_2_201805271110308_Z01805271110040_CO01  GS_OFFL_SIR_LRM_2_201805271110308_Z01805271110040_CO01  GS_OFFL_SIR_LRM_2_201805271110308_Z01805271110400_CO01  GS_OFFL_SIR_LRM_2_201805271110040_Z01805271110040_CO01  GS_OFFL_SIR_LRM_2_201805271110040_Z0180527110040_CO01  GS_OFFL_SIR_LRM_2_201805271110040_Z0180527110040_CO01  GS_OFFL_SIR_LRM_2_201805271110040_Z0180527110040_CO01  GS_OFFL_SIR_LRM_2_201805271110040_Z0180527110040_CO01  GS_OFFL_SIR_LRM_2_201805271110040_Z0180527110040_CO01  GS_OFFL_SIR_LRM_2_201805271110040_Z0180527110040_CO01  GS_OFFL_SIR_LRM_2_201805271110040_Z0180527110040_CO01  GS_OFFL_SIR_LRM_2_20180527110040_Z0180527110040_CO01  GS_OFFL_SIR_LRM_2_201805271100400_Z01805271100400_CO01  GS_OFFL_SIR_LRM_2_201805271100400_Z01805271100400_CO01  GS_OFFL_SIR_LRM_2_201805271100400_Z01805271100400_CO01  GS_OFFL_SIR_LRM_2_201805271100	CS OFFI SID I DM 2 20190527T074040 20190527T072522 C001	,	There is a height and backscatter error for Retracker 2 for one or more
(Reinacker 2), Backscatter Error (Retracker 2), Each scatter Error (Retracker 2), Each scatter Error (Retracker 3), Each scatter Error (Retracker 2), Each scatter Error (Retracker 2), Each scatter Error (Retracker 3), Each scatter Error (Retrac	C3_OFFL_3IR_LRW_2201603271071040_201603271072322_C001		records
CS_OFFL_SIR_LRM_2_20180527T080149_20180527T030316_C001  CS_OFFL_SIR_LRM_2_20180527T0804042_20180527T030362_C001  CS_OFFL_SIR_LRM_2_20180527T090402_20180527T1006042_C001  CS_OFFL_SIR_LRM_2_20180527T1006042_20180527T1006042_C001  CS_OFFL_SIR_LRM_2_20	CS_OFFL_SIR_LRM_220180527T072849_20180527T073132_C001	(Retracker 3), Backscatter Error	
GS_OFFL_SIR_LRM_2_20180527T080149_20180527T100848_C001  CS_OFFL_SIR_LRM_2_20180527T080482_20180527T100848_C001  CS_OFFL_SIR_LRM_2_20180527T1080482_20180527T100848_C001  CS_OFFL_SIR_LRM_2_20180527T1080482_20180527T100848_C001  CS_OFFL_SIR_LRM_2_20180527T1080482_20180527T100848_C001  CS_OFFL_SIR_LRM_2_20180527T1080482_20180527T100848_C001  CS_OFFL_SIR_LRM_2_20180527T1080482_20180527T100848_C001  CS_OFFL_SIR_LRM_2_20180527T1080482_20180527T100848_C001  CS_OFFL_SIR_LRM_2_20180527T1080482_20180527T1108048_C001  CS_OFFL_SIR_LRM_2_20180527T1108048_20180527T1108048_C001  CS_OFFL_SIR_LRM_2_20180527		,	
CS_OFFL_SIR_LRM_2_20180527T109442_20180527T109452_5C001  CS_OFFL_SIR_LRM_2_20180527T109442_20180527T109640_C001  CS_OFFL_SIR_LRM_2_20180527T109642_20180527T100640_C001  CS_OFFL_SIR_LRM_2_20180527T100643_20180527T100644_C001  CS_OFFL_SIR_LRM_2_20180527T100643_20180527T100644_C001  CS_OFFL_SIR_LRM_2_20180527T100643_20180527T100644_C001  CS_OFFL_SIR_LRM_2_20180527T100643_20180527T100644_C001  CS_OFFL_SIR_LRM_2_20180527T100643_20180527T100644_C001  CS_OFFL_SIR_LRM_2_20180527T100643_20180527T100644_C001  CS_OFFL_SIR_LRM_2_20180527T100643_20180527T100644_C001  CS_OFFL_SIR_LRM_2_20180527T100643_20180527T110064_C001  CS_OFFL_SIR_LRM_2_20180527T100643_20180527T110064_C001  CS_OFFL_SIR_LRM_2_20180527T100643_20180527T110064_C001  CS_OFFL_SIR_LRM_2_20180527T100643_20180527T110064_C001  CS_OFFL_SIR_LRM_2_20180527T100643_20180527T110064_C001  CS_OFFL_SIR_LRM_2_20180527T100643_20180527T110064_C001  CS_OFFL_SIR_LRM_2_20180527T100643_20180527T110064_C001  CS_OFFL_SIR_LRM_2_20180527T10064_20180527T110064_C001  CS_OFFL_SIR_LRM_2_20180527T10064_20180527T110064_C001  CS_OFFL_SIR_LRM_2_20180527T100620_20180527T110064_C001  CS_OFFL_SIR_LRM_2_20180527T1006527T1006506_C001  CS_OFFL_SIR_LRM_2_20180527T10064_20180527T13056_C001  CS_OFFL_SIR_LRM_2_20180527T10064_20180527T13069_C001  CS_OFFL_SIR_LRM_2_20180527T10064_20180527T13069_C001  CS_OFFL_SIR_LRM_2_20180527T10064_20180527T13069_C001  CS_OFFL_SIR_LRM_2_20180527T10064_20180527T16064_00180527T16064	CS_OFFL_SIR_LRM_220180527T080149_20180527T083510_C001	(Retracker 3), Backscatter Error	
Error (Retracker 2).		,	
Enror (Retracker 2) Enror (Retracker 3) English Enror (Retrack	CS_OFFL_SIR_LRM_2201805271083735_201805271083818_C001	Error (Retracker 2)	records
Height Error (Retracker 2). Height Error (Retracker 2). Height Error (Retracker 2). Height Error (Retracker 2). Height Error (Retracker 3). Backscatter Error for Retracker 3 on or more records for Retracker 3). Backscatter Error (Retracker 3). Backscatter Error (R	CS_OFFL_SIR_LRM_220180527T090442_20180527T092625_C001		
CS_OFFL_SIR_LRM_2_20180527T100943_20180527T1100914_C001  CS_OFFL_SIR_LRM_2_20180527T100943_20180527T1100914_C001  CS_OFFL_SIR_LRM_2_20180527T100943_20180527T1100914_C001  CS_OFFL_SIR_LRM_2_20180527T1100943_20180527T1100914_C001  CS_OFFL_SIR_LRM_2_20180527T1100943_20180527T1100914_C001  CS_OFFL_SIR_LRM_2_20180527T1100963_20180527T1100914_C001  CS_OFFL_SIR_LRM_2_20180527T1100963_20180527T1100914_C001  CS_OFFL_SIR_LRM_2_20180527T1100963_20180527T1100914_C001  CS_OFFL_SIR_LRM_2_20180527T1100963_20180527T1100914_C001  CS_OFFL_SIR_LRM_2_20180527T100914_20180527T1100914_C001  CS_OFFL_SIR_LRM_2_20180527T100914_20180527T1100914_C001  CS_OFFL_SIR_LRM_2_20180527T100914_20180527T1100914_C001  CS_OFFL_SIR_LRM_2_20180527T100914_20180527T1100914_C001  CS_OFFL_SIR_LRM_2_20180527T100914_20180527T1100914_C001  CS_OFFL_SIR_LRM_2_20180527T100914_20180527T1100914_C001  CS_OFFL_SIR_LRM_2_20180527T1100914_20180527T1100914_C001  CS_OFFL_SIR_LRM_2_20180527T1100914_C001  CS_OFFL_SIR_LRM_2_20180527T100914_C001  CS_OFFL_SIR_LRM_2_20180527T100950_20180527T100914_C001  CS_OFFL_SIR_LRM_2_20180527T100950_20180527T100914_C001  CS_OFFL_SIR_LRM_2_20180527T100950_20180527T	00 0FFL 01D LDM 0 00400F0TT0010F0 00400F0TT400010 0004	Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 and a height error
GS_OFFL_SIR_LRM_2_20180527T100643_20180527T100914_C001  GRetracker 2) Height Error (Retracker 2) Height Error (Retracker 3) Height Error (Retracker 2) Heigh	C5_OFFL_SIR_LRM_2201805271094052_201805271100640_C001		for Retracker 3 for one or more records
(Retracker 2) (Retracker 2) (Retracker 2) (Retracker 2) (Retracker 2) (Retracker 2) (Retracker 3) (R	CS OEEL SID LDM 2 20180527T1006/3 20180527T10001/4 C001		There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_2_20180527T1104109_20180527T11300_C001  CS_OFFL_SIR_LRM_2_20180527T112036_20180527T11330_C001  CS_OFFL_SIR_LRM_2_20180527T113708_20180527T115433_C001  CS_OFFL_SIR_LRM_2_20180527T112659_20180527T124659_20180527T12001  CS_OFFL_SIR_LRM_2_20180527T12659_20180527T12001  CS_OFFL_SIR_LRM_2_20180527T12659_20180527T133555_C001  CS_OFFL_SIR_LRM_2_20180527T140609_20180527T135699_C001  CS_OFFL_SIR_LRM_2_20180527T140609_20180527T143281_C001  CS_OFFL_SIR_LRM_2_20180527T140609_20180527T153714_C001  CS_OFFL_SIR_LRM_2_20180527T140609_20180527T15314_C001  CS_OFFL_SIR_LRM_2_20180527T140609_20180527T15314_C001  CS_OFFL_SIR_LRM_2_20180527T140609_20180527T15314_C001  CS_OFFL_SIR_LRM_2_20180527T140609_20180527T15314_C001  CS_OFFL_SIR_LRM_2_20180527T140609_20180527T15314_C001  CS_OFFL_SIR_LRM_2_20180527T140609_20180527T15314_C001  CS_OFFL_SIR_LRM_2_20180527T140609_20180527T15001  CS_OFFL_SIR_LRM_2_20180527T160950_20180527T160950_C001  CS_OFFL_SIR_LRM_2_20180527T160950_2018052	C3_OFFE_SIN_ENW_2201003271100043_201003271100914_C001	(Retracker 2)	for Retracker 3 for one or more records
(Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retra	CS OFFI SIR LRM 2 20180527T104109 20180527T110628 C001		
Error (Retracker 2)  Error (Retracker 2)  Error (Retracker 2)  Height Error (Retracker 3)  Backscatter Error (Retracker 3)  Height Error (Retracker 3)  Height Error (Retracker 3)  Error (Retracker 3)  Height Error (Retracker 3)  Height Error (Retracker 3)  Error (Retracker 3)  Height Error (Retracker 3)  Height Error (Retracker 3)  Height Error (Retracker 3)  Height Error (Retracker 3)  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)  There is a height and backscatter error for Retracker 2 and a height error (Retracker 3)  Height Error (Retracker 2)  Height Error (Retracker 2)  Height Error (Retracker 3)  Height Error (Retracker 3)  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 2)  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or more records  There is a height and backscatter error for Retracker 2 for one or mor	05_011	(Retracker 2)	
Height Error (Retracker 2). Backscatter error for Retracker 2 and a height error (Retracker 2). Backscatter error for Retracker 2 and a height error (Retracker 2). Backscatter error for Retracker 2 and a height error (Retracker 2). Backscatter error for Retracker 3 for one or more records  CS_OFFL_SIR_LRM_2_20180527T140529_20180527T14243B_C001	CS_OFFL_SIR_LRM_220180527T112036_20180527T113130_C001		
Intertacker 2   Backscatter Error (Retracker 2)   Backscatter Error (Ret		Height Error (Retracker 2), Height Error	
CS_OFFL_SIR_LRM_2_20180527T120012_20180527T133355_C001  CS_OFFL_SIR_LRM_2_20180527T130012_20180527T133355_C001  CS_OFFL_SIR_LRM_2_20180527T130012_20180527T133355_C001  CS_OFFL_SIR_LRM_2_20180527T130012_20180527T133355_C001  CS_OFFL_SIR_LRM_2_20180527T130012_20180527T135859_C001  CS_OFFL_SIR_LRM_2_20180527T140629_20180527T142438_C001  CS_OFFL_SIR_LRM_2_20180527T140629_20180527T142351_C001  CS_OFFL_SIR_LRM_2_20180527T142743_20180527T142351_C001  CS_OFFL_SIR_LRM_2_20180527T142743_20180527T143251_C001  CS_OFFL_SIR_LRM_2_20180527T143904_20180527T15314_C001  CS_OFFL_SIR_LRM_2_20180527T153729_20180527T15314_C001  CS_OFFL_SIR_LRM_2_20180527T153729_20180527T15314_C001  CS_OFFL_SIR_LRM_2_20180527T160950_20180527T160021_C001  CS_OFFL_SIR_LRM_2_20180527T160950_20180527T160021_C001  CS_OFFL_SIR_LRM_2_20180527T160950_20180527T163945_C001  CS_OFFL_SIR_LRM_2_20180527T160950_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T160950_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T164052	CS_OFFL_SIR_LRM_220180527T113708_20180527T115433_C001		
CS_OFFL_SIR_LRM_2_20180527T130012_20180527T133355_C001  CS_OFFL_SIR_LRM_2_20180527T130012_20180527T133959_C001  CS_OFFL_SIR_LRM_2_20180527T140629_20180527T142438_C001  CS_OFFL_SIR_LRM_2_20180527T140629_20180527T142438_C001  CS_OFFL_SIR_LRM_2_20180527T140629_20180527T142438_C001  CS_OFFL_SIR_LRM_2_20180527T142743_20180527T142438_C001  CS_OFFL_SIR_LRM_2_20180527T143904_20180527T14251_C001  CS_OFFL_SIR_LRM_2_20180527T143904_20180527T151314_C001  CS_OFFL_SIR_LRM_2_20180527T153729_20180527T151314_C001  CS_OFFL_SIR_LRM_2_20180527T153729_20180527T154150_C001  CS_OFFL_SIR_LRM_2_20180527T163945_C001  CS_OFFL_SIR_LRM_2_20180527T160950_20180527T163945_C001  CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T172002_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T172002_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T174053_C001  CS_OFFL_SIR_LRM_2_20180527T172909_20180527T174053_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T1726	CS_OFFL_SIR_LRM_2 _20180527T121659 20180527T122717 C001	Height Error (Retracker 2), Backscatter	ů .
CS_OFFL_SIR_LRM_2_20180527T130012_20180527T133355_CO01  (Retracker 2)  CS_OFFL_SIR_LRM_2_20180527T135823_20180527T135959_CO01  CS_OFFL_SIR_LRM_2_20180527T140629_20180527T142438_CO01  CS_OFFL_SIR_LRM_2_20180527T142743_20180527T142438_CO01  CS_OFFL_SIR_LRM_2_20180527T142743_20180527T142438_CO01  CS_OFFL_SIR_LRM_2_20180527T142743_20180527T143251_CO01  CS_OFFL_SIR_LRM_2_20180527T14304_20180527T151314_CO01  CS_OFFL_SIR_LRM_2_20180527T14304_20180527T151314_CO01  CS_OFFL_SIR_LRM_2_20180527T153729_20180527T154150_CO01  CS_OFFL_SIR_LRM_2_20180527T153729_20180527T154150_CO01  CS_OFFL_SIR_LRM_2_20180527T164246_20180527T160021_CO01  CS_OFFL_SIR_LRM_2_20180527T164265_20180527T160021_CO01  CS_OFFL_SIR_LRM_2_20180527T160950_20180527T161154_CO01  CS_OFFL_SIR_LRM_2_20180527T160950_20180527T163945_CO01  CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_CO01  CS_OFFL_SIR_LRM_2			
CS_OFFL_SIR_LRM_2_20180527T135823_20180527T135959_C001  CS_OFFL_SIR_LRM_2_20180527T140629_20180527T142438_C001  CS_OFFL_SIR_LRM_2_20180527T140629_20180527T142351_C001  CS_OFFL_SIR_LRM_2_20180527T143904_20180527T151314_C001  CS_OFFL_SIR_LRM_2_20180527T143904_20180527T151314_C001  CS_OFFL_SIR_LRM_2_20180527T153729_20180527T151314_C001  CS_OFFL_SIR_LRM_2_20180527T153729_20180527T151314_C001  CS_OFFL_SIR_LRM_2_20180527T153729_20180527T160021_C001  CS_OFFL_SIR_LRM_2_20180527T160950_20180527T160021_C001  CS_OFFL_SIR_LRM_2_20180527T161909_20180527T163945_C001  CS_OFFL_SIR_LRM_2_20180527T161909_20180527T163945_C001  CS_OFFL_SIR_LRM_2_20180527T160050_20180527T163945_C001  CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T172602_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T174053_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T174053_C001  CS_OFFL_SIR_LRM_2_20180527T172909_20180527T174053_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T174053_C001  CS_OFFL_SIR_LRM_2_20180527T170	CS_OFFL_SIR_LRM_220180527T130012_20180527T133355_C001	(Retracker 3), Backscatter Error	
Error (Retracker 2)  CS_OFFL_SIR_LRM_2_20180527T140629_20180527T142438_C001  CS_OFFL_SIR_LRM_2_20180527T142743_20180527T143251_C001  CS_OFFL_SIR_LRM_2_20180527T143904_20180527T151314_C001  CS_OFFL_SIR_LRM_2_20180527T143904_20180527T151314_C001  CS_OFFL_SIR_LRM_2_20180527T153729_20180527T154150_C001  CS_OFFL_SIR_LRM_2_20180527T153729_20180527T1540021_C001  CS_OFFL_SIR_LRM_2_20180527T154246_20180527T160021_C001  CS_OFFL_SIR_LRM_2_20180527T160050_20180527T160021_C001  CS_OFFL_SIR_LRM_2_20180527T160050_20180527T160021_C001  CS_OFFL_SIR_LRM_2_20180527T160050_20180527T163945_C001  CS_OFFL_SIR_LRM_2_20180527T160050_20180527T163945_C001  CS_OFFL_SIR_LRM_2_20180527T160050_20180527T163945_C001  CS_OFFL_SIR_LRM_2_20180527T160050_20180527T163945_C001  CS_OFFL_SIR_LRM_2_20180527T160050_20180527T163945_C001  CS_OFFL_SIR_LRM_2_20180527T160050_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T160050_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T160050_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T160050_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T160050_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T172602_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T172602_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T172602_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T172602_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T174053_C001	CS OFFI SID I DM 2 20100527T125022 20100527T125050 C004	,	
CS_OFFL_SIR_LRM_2_20180527T142743_20180527T142743_ED Surface Model Unavailable  Height 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), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Re	65_0  FL_3 K_LK V _22010032/1133023_2018032/1133959_C001	Error (Retracker 2)	records
Height Error (Retracker 2), Height Error (Retracker 2 and a height error (Retracker 2 and a height error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter	CS_OFFL_SIR_LRM_2_20180527T140629_20180527T142438_C001		
Height Error (Retracker 2), Height Error (Retracker 2) and a height error (Retracker 3) and a heigh	CS_OFFL_SIR_LRM_220180527T142743_20180527T143251_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20180527T153729_20180527T154150_C001  CS_OFFL_SIR_LRM_2_20180527T153729_20180527T154150_C001  CS_OFFL_SIR_LRM_2_20180527T154246_20180527T160021_C001  CS_OFFL_SIR_LRM_2_20180527T16426_20180527T160021_C001  CS_OFFL_SIR_LRM_2_20180527T160950_20180527T160021_C001  CS_OFFL_SIR_LRM_2_20180527T160950_20180527T163945_C001  CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T172602_C001  CS_OFFL_SIR_LRM_2_20180527T172909_20180527T174053_C001  CS_OFFL_SIR_LRM_2_20180527T1729		Height Error (Retracker 2), Height Error	There is a height and hackscatter error for Potrocker 3, and a height error
Height Error (Retracker 2), Backscatter Error (Retracker 2) and a height error (Retracker 2) and a height error (Retracker 2) and a height error (Retracker 2). Height Error (Retracker 2) and a height error (Retracker 2) and a height error (Retracker 2). Height Error (Retracker 2) and a height error (Retracker 2) and a height error (Retracker 3). Backscatter Err	CS_OFFL_SIR_LRM_220180527T143904_20180527T151314_C001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20180527T154246_20180527T160021_C001  CS_OFFL_SIR_LRM_2_20180527T160950_20180527T161154_C001  CS_OFFL_SIR_LRM_2_20180527T161909_20180527T163945_C001  CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T172602_C001  CS_OFFL_SIR_LRM_2_20180527T172909_20180527T174053_C001	CS OFFL SIR LRM 2 20180527T153729 20180527T154150 C001	Height Error (Retracker 2), Backscatter	
CS_OFFL_SIR_LRM_2_20180527T160950_20180527T161154_C001  Surface Model Unavailable  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retrack			
Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatte	CS_OFFL_SIR_LRM_220180527T154246_20180527T160021_C001		
CS_OFFL_SIR_LRM_2_20180527T161909_20180527T163945_C001  (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3),	CS_OFFL_SIR_LRM_220180527T160950_20180527T161154_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T172602_C001  CS_OFFL_SIR_LRM_2_20180527T172602_C001  CS_OFFL_SIR_LRM_2_20180527T172909_20180527T174053_C001  CS_OFFL_SIR_LRM_2_20180527T172909_20180527T174053_C001  CS_OFFL_SIR_LRM_2_20180527T172909_20180527T174053_C001  (Retracker 3), Backscatter Error (Retracker 2), Height 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 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 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 and a height error for Retracker 3 for one or more records	00.0551.000.1004.0.000		There is a height and backscatter error for Retracker 2, and a height error
CS_OFFL_SIR_LRM_2_20180527T164052_20180527T164914_C001  CS_OFFL_SIR_LRM_2_20180527T170757_20180527T172602_C001  CS_OFFL_SIR_LRM_2_20180527T172602_C001  CS_OFFL_SIR_LRM_2_20180527T172909_20180527T174053_C001  Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backs	CS_OFFL_SIR_LRM_220180527T161909_20180527T163945_C001		
CS_OFFL_SIR_LRM_2_20180527T172602_C001  CS_OFFL_SIR_LRM_2_20180527T172602_C001  CS_OFFL_SIR_LRM_2_20180527T172909_20180527T174053_C001  CS_OFFL_SIR_LRM_2_20180527T172909_20180527T174053_C001  CS_OFFL_SIR_LRM_2_20180527T172909_20180527T174053_C001  (Retracker 3), Backscatter 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 (Retracker 3) for one or more records  There is a height and backscatter error for Retracker 2 for one or more records	OC OFFI CID LDM A COMPORATIVACION COMPONENTI	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 for Retracker 2 and a height error for Retracker 3 for one or more records  CS_OFFL_SIR_LRM_2_20180527T172909_20180527T174053_C001  Height Error (Retracker 2), Height Error (Retracker 2), Backscatter 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	G5_OFFL_SIK_LKM_ZZU18052/1164052_ZU1805271164914_C001		
CS_OFFL_SIR_LRM_2_20180527T172909_20180527T174053_C001  (Retracker 3), Backscatter Error (Retracker 2) 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	CC OFFI CID LDM 2 204905077470757 2049050777470000 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_2018052/11/2909_2018052/11/4053_C001	C3_OFFL_SIK_LKM_ZZU18U3Z/117/0/3/_ZU18U5Z/117/26U2_CUU1		
	CS_OFFL_SIR_LRM_220180527T172909_20180527T174053_C001		
Our lace initiate initiate of initiation of the property of th	CS OFFI SIR LRM 2 20180527T174904 20180527T175103 C004		
		- India mada onavallable	

00 OFFI OID IDM 0 00400F07747F004 00400F077404000 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_220180527T175801_20180527T181322_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180527T181524_20180527T182447_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180527T184728_20180527T184851_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_220180527T185122_20180527T190411_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_220180527T192006_20180527T192132_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_20180527T192715_20180527T193506_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180527T203030_20180527T210240_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_220180527T210542_20180527T210752_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180527T210812_20180527T211356_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180527T211729_20180527T214159_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_220180527T221410_20180527T222451_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_220180527T223028_20180527T224124_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_220180527T225553_20180527T232441_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_220180527T234746_20180528T002016_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_220180527T002545_20180527T002610_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_220180527T011434_20180527T011746_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20180527T012303_20180527T012415_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T025220_20180527T025629_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T030202_20180527T030326_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T034139_20180527T034539_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T042955_20180527T043131_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T043954_20180527T044136_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T051807_20180527T051946_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20180527T052341_20180527T052435_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T060900_20180527T061041_C001	SARIn X-track Angle Error	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_220180527T061615_20180527T061622_C001	SARIn X-track Angle Error	records  An ambiguous angle was detected for SARIn mode for one or more  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220180527T061747_20180527T062003_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_220180527T070137_20180527T070350_C001	Model Unavailable	Model was used for one or more records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220180527T074802_20180527T074954_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220180527T075514_20180527T075519_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220180527T075641_20180527T080123_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_2_20180527T084733_20180527T084806_C001	Model Unavailable	Model was used for one or more records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180527T092808_20180527T093039_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180527T093411_20180527T093418_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180527T093758_20180527T093945_C001	SARIn X-track Angle Error  SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180527T110650_20180527T110821_C001		records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180527T111325_20180527T111331_C001  CS_OFFL_SIR_SIN_2_20180527T111659_20180527T111833_C001	SARIn X-track Angle Error  SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2201805271111659_201805271111833_C001  CS_OFFL_SIR_SIN_220180527T124707_20180527T124820_C001	SARIN X-track Angle Error  SARIN X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_201805271124707_201805271124620_C001  CS_OFFL_SIR_SIN_2_20180527T125357_20180527T125523_C001	SARIN X-track Angle Error SARIN X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180527T125559_20180527T125714_C001	SARIN X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20180527T125559_20180527T125714_C001  CS_OFFL_SIR_SIN_2_20180527T134510_20180527T134532_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_20180527T134510_20180527T134604_C001	Model Unavailable SARIn X-track Angle Error, Surface	Model was used for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_220180527T142619_20180527T142742_C001	Model Unavailable SARIn X-track Angle Error	Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220180527T143252_20180527T143559_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS OFFL SIR SIN 2 20180527T160705 20180527T160950 C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220180527T161155_20180527T161721_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
		records

CS_OFFL_SIR_SIN_220180527T170247_20180527T170715_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T174629_20180527T174904_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T175104_20180527T175216_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T175605_20180527T175745_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T184148_20180527T184258_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T184416_20180527T184611_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T192348_20180527T192714_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T193507_20180527T193653_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T202106_20180527T202600_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_220180527T210352_20180527T210541_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T210753_20180527T210812_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T211357_20180527T211617_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T215441_20180527T215457_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_220180527T215555_20180527T215629_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_220180527T224324_20180527T224503_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180527T224616_20180527T224750_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20180527T225218_20180527T225504_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	145	145	145	0	0
SIR_LRM_2	144	144	144	0	0
SIR_LRMI2_	144	144	144	0	0
SIR_SAR_1B	111	111	111	0	0
SIR_SAR_2	111	111	111	0	0
SIR_SARI2_	111	111	111	0	0
SIR_SIN_1B	110	110	110	0	0
SIR_SIN_2	110	110	110	0	0
SIR_SINI2	110	110	110	0	0
SIR GDR 2	15	15	15	0	0

## 6.1 QCC Errors

Number of products with QCC errors:

## 6.2 QCC Warnings

Number of QCC reports with warnings

0

0

## 6.2 Missing QCC Reports

Number of products with missing QCC reports:

208