



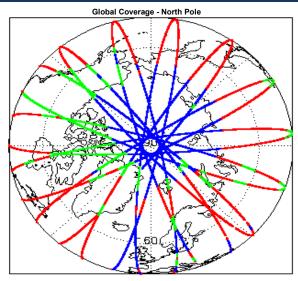
1. Overview

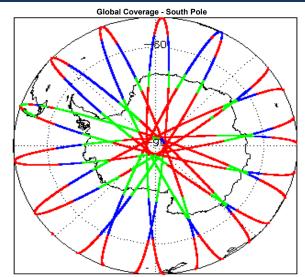
Report Production Date:	19-Oct-2017	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

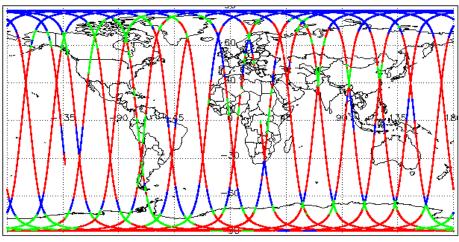
Oh I-	04-4
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File Usage Check	Nominal
L1B & L2 Auxiliary Correction Error Check	Nominal
L1B & L2 Measurement Confidence Data Check	See Section 4.7 and 5.5

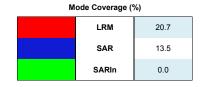
Mission / Instr	ument News
20-Sep-2017	None
21-Sep-2017	None
22-Sep-2017	Nothing planned

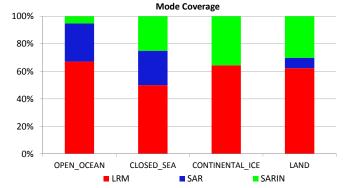
2. Global Coverage

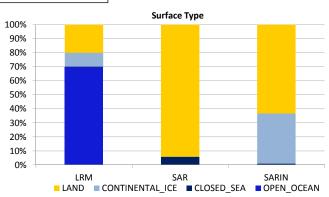












3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
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4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

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

Number of products with errors:

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:

0

4.6 L1B Auxiliary Correction Error Check

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

Number of products with errors:

4.7 L1B Measurement Confidence Data Check

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20170921T190035_20170921T191101_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:

COPPLIANT_DITTOR/CORDON_CONTROLLED CONTROLLED CONTROLLE	Product	Test Failed	Description
Begin from firm and a process of the control of the	CS_OFFL_SIR_LRM_220170920T235142_20170921T000157_C001		
Harps files (Resource 2, Bastacators) Service (Res	CS OFFI SID LDM 2 20170021T000722 20170021T002517 C001	,	
Service (Security 2) George 1, page 1, page 2, partners monates partners for the control of the	00_011E_0II_EI\W_2201100211000132_201103211002311_0001		
EQ. OPTIL. SPIL. IDM. 2. 2017000117000002 20170011120001 COID Fill SPIL URB 2. 2017000117000002 20170011120000 COID Fill SPIL URB 2. 2017000117000002 2017001112000 COID Fill SPIL URB 2. 2017000117000000 2017001112000 COID Fill SPIL URB 2. 2017000117000000 2017001112000 COID Fill SPIL URB 2. 201700011700000 2017001112000 COID Fill SPIL URB 2. 20170001170	CS_OFFL_SIR_LRM_220170921T003642_20170921T004402_C001	Error (Retracker 2)	~
CROPPLIENT_BOLDEROTTOTALS_DETROSTTOTALS_COST CROPPLIENT_BOLDEROTTOTALS_DETROSTEDATE COST CROPPLIENT_BOLDEROTT	CS OFFL SIR LRM 2 20170921T004957 20170921T005134 C001		
Heapt time (Personer 2), locational from the personer and		(Retracker 2)	for Retracker 3 for one or more records
SO CHIL SIRL DATE 2. DOTTORET TOWNS TOWNS TOWNS TOWNS TOWNS TO SERVE SER	CS_OFFL_SIR_LRM_220170921T011845_20170921T012417_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CB_OFT_SR_UNL_2_2017061100000_201708110001_001 CB_OFT_SR_UNL_2_2017061100000_201708110001_001 CB_OFT_SR_UNL_2_20170611000000_2017081100001_001 CB_OFT_SR_UNL_2_20170611000000_2017081100001_001 CB_OFT_SR_UNL_2_20170611000000_2017081100001_001 CB_OFT_SR_UNL_2_20170611000000_20170811000000_001 CB_OFT_SR_UNL_2_20170611000000_20170811000000_001 CB_OFT_SR_UNL_2_20170611000000_20170811100000_001 CB_OFT_SR_UNL_2_20170611000000_20170811100000_001 CB_OFT_SR_UNL_2_20170611000000_201708111000000_001 CB_OFT_SR_UNL_2_2017061100000_201708111000000_001 CB_OFT_SR_UNL_2_2017061100000_201708111000000_001 CB_OFT_SR_UNL_2_2017061100000_201708111000000_001 CB_OFT_SR_UNL_2_2017061100000_201708111000000_001 CB_OFT_SR_UNL_2_2017061100000_2017081110000000000000000000000000000000	CS OFFI SIR LRM 2 20170021T013147 20170021T020626 C001		
CQ. CHEL. SMILED. 2. 2017/2017 (1905/2007) (2017) (00_011	(Retracker 2)	
Legible Early (Residue) 2, between the bestimate of the described for one or more records on the state of the	CS_OFFL_SIR_LRM_220170921T020655_20170921T020731_C001		~
So, Chen Jan J. 20170021102009 (20170021102009) (20170021	CS OFFL SIR LRM 2 20170921T021618 20170921T021831 C001	Height Error (Retracker 2), Backscatter	
CS_OPT_SRI_PRU_2_0017021100358_0017021100359_001 Segretary SRI_PRU_2_0017021100358_0017021100359_001 Segretary SRI_PRU_2_0017021100359_00170			
Southern Mode and Provided the service of the Southern Mode and Provided the Southern Mode an	CS_OFFL_SIR_LRM_2201709211022729_201709211023021_C001	,	
CS_OFFL_SRI_RM20170211050912_017021105092_0170211105092_0170211105092_0170211105092_0170211105092_0170211105092_0170211105092_0170211105092_0170211105092_0170211105092_0170211105092_0170211105092_0170211105092_0170211105092_0170211105092	CS_OFFL_SIR_LRM_220170921T023639_20170921T025233_C001		
Selection Processing Selection Processing Selection Processing Selection Processing Selection Processing Selection	CS_OFFL_SIR_LRM_220170921T025804_20170921T030313_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
beginder in the control of the contr			There is a height and backscatter error for Retracker 2 and a height error
Relatable 1, Buddescriber Prov Remarked 2, Buddescriber Prov Remarked 3, Buddescriber Pr	CS_OFFL_SIR_LRM_220170921T031011_20170921T034540_C001		
GROPE, SRI_MRD_2_01700211040748_0170021104094_00000000000000000000000000000000	CS OFFI SID LDM 2 20170021T02FF0 20170021T02F722 C001		There is a height and backscatter error for Retracker 2 and a height error
Enrol (Febracker 2) Soft-Lising Limits 2, 2017/02/1104/035, 2017/02/1105/035, 2017/02/1104/035, 2017/0	00_0/1 E_0 Y_ENW _2201/09211030099_201/09211030/32_C007	(Retracker 2)	for Retracker 3 for one or more records
Sept Firm (Petroder 2) Sept Firm (Petroder 2) Sept Firm (Petroder 2) Sept Firm (Petroder 2) Sept	CS_OFFL_SIR_LRM_220170921T040748_20170921T041224_C001		
So, OFFL, SIR, LIMB 2, 20170921104692, 20170921104693, CO10 Source Model Unavailable So, OFFL, SIR, LIMB 2, 20170921104692, 20170921105698, CO11 Source Model Unavailable So, OFFL, SIR, LIMB 2, 20170921105693, CO10 Source Model Unavailable So, OFFL, SIR, LIMB 2, 20170921105694, CO10 Source Model Unavailable So, OFFL, SIR, LIMB 2, 20170921105694, CO10 Source Model Unavailable Source Model Unavai	00.0751.010.1014.0.004	Height Error (Retracker 2), Height Error	
Source Mode Unavailable Surface Control Surface Surface	CS_OFFL_SIR_LRM_220170921T041305_20170921T043045_C001		
CS_OFFL_SIR_LRM_2_201700211095092_0010 CReface 2) Seadscatter Enror (Relacate 2) the polit Enror (Relacate 3) to red or more records (Relacate 2) the polit Enror (Relacate 3) to red or more records (Relacate 2) the polit Enror (Relacate 3) to red or more records (Relacate 2) the polit Enror (Relacate 3) to red or more records (Relacate 2) the polit Enror (Relacate 3) to red or more records (Relacate 3) to red or more reco	CS_OFFL_SIR_LRM_220170921T044020_20170921T044216_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
South Link Lend 2 of 1709211091172 20170921109249 Cool (Petraber 2), Baddecater Error (Petraber 2) as height and badecater error for Retractor 2 or one or more records (Petraber 2), Baddecater Error (Petraber 2), Badd			·
Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2) and a height err	CS_OFFL_SIR_LRM_220170921T044952_20170921T050636_C001		
Sc. OFFL_SR_LRNL_2_20170921705904_20170921706905_C001 Sc. OFFL_SR_LRNL_2_20170921706905_20170921706905_C001 Sc. OFFL_SR_LRNL_2_20170921706905_20170921706905_C001 Sc. OFFL_SR_LRNL_2_20170921706905_20170921706905_C001 Sc. OFFL_SR_LRNL_2_20170921706905_20170921706905_C001 Sc. OFFL_SR_LRNL_2_20170921706905_20170921707405_C001 Sc. OFFL_SR_LRNL_2_20170921707407_20170921707406_C001 Sc. OFFL_SR_LRNL_2_20170921707408_20170921707406_C001 Sc. OFFL_SR_LRNL_2_20170921707408_201709217093812_C001 Sc. OFFL_SR_LRNL_2_20170921707408_201709217093812_C001 Sc. OFFL_SR_LRNL_2_201709217074092_201709217093812_C001 Sc. OFFL_SR_LRNL_2_201709217093832_201709217093812_C001 Sc. OFFL_SR_LRNL_2_201709217109402_201709217109450_C001 Sc. OFFL_SR_LRNL_2_201709217109402_201709217109450_C001 Sc. OFFL_SR_LRNL_2_201709217109402_201709217109450_C001 Sc. OFFL_SR_LRNL_2_201709217109402_201709217109450_C001 Sc. OFFL_SR_LRNL_2_201709217109402_201709217109406_C001 Sc. OFFL_SR_LRNL_2_201709217109402_201709217109406_C001 Sc. OFFL_SR_LRNL_2_201709217109402_201709217109406_C001 Sc. OFFL_SR_LRNL_2_201709217109406_C001 Sc. OFFL_SR_LRNL_2_201709217109406_C001 Sc. OFFL_SR_LRNL_2_201709217109406_C001 Sc. OFFL_SR_LRNL_2_201709217109406_C001 Sc. OFFL_SR_LRNL_2_201709217109406_		Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 and a height error
Enror (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 and a height error (Retracker 2). Backscatter error for Retracker 2 and a height error (Retracker 3). Backscatter error for Retracker 2 and a height error (Retracker 3). Backscatter error for Retracker 2 and a height error for Retracker 3. Backscatter error for Retracker 2 and a height error for Retracker 3. Backscatter error for Retracker 2 and a height error for Retracker 3. Backscatter error for Retracker 2 and a height error for Retracker 3. Backscatter error for Retracker 2 and a height error for Retracker 3. Backscatter error for Retracker 3 for one or more records for Retracker 3. Backscatter error for Retracker 3 for one or more records for Retracker 3. Backscatter error for Retracker 3 for one or more records for Retracker 3. Backscatter error for Retracker 3 for one or more records for Retracker 3. Backscatter error for Retracker 3 for one or more records for Retracker 3. Backscatter error for Retracker 3. Despit Error (Retracker 3.) Backscatter error for Retracker 3. Or one or more records for Retracker 3. Backscatter error f	CS_OFFL_SIR_LRM_220170921T051117_20170921T052439_C001		
S. OFFL_SIR_LRM_2_20170921T06205_20170921T064342_C001 CS_OFFL_SIR_LRM_2_20170921T064342_C001 CS_OFFL_SIR_LRM_2_20170921T064342_C001 CS_OFFL_SIR_LRM_2_20170921T064342_C001 CS_OFFL_SIR_LRM_2_20170921T064342_C001 CS_OFFL_SIR_LRM_2_20170921T064342_C001 CS_OFFL_SIR_LRM_2_20170921T064342_C001 CS_OFFL_SIR_LRM_2_20170921T07532_20170921T07410_C001 CS_OFFL_SIR_LRM_2_20170921T07532_20170921T07400_C001 CS_OFFL_SIR_LRM_2_20170921T07532_C0170921T07400_C001 CS_OFFL_SIR_LRM_2_20170921T077532_C0170921T077400_C001 CS_OFFL_SIR_LRM_2_20170921T0777400_C001 CS_OFFL_SIR_LRM_2_20170921T077774000_C001 CS_OFFL_SIR_LRM_2_20170921T0777777400_C001 CS_OFFL_SIR_LRM_2_20170921T0777777777777777777777777777777777777	CS_OFFL_SIR_LRM_220170921T053804_20170921T055552_C001		
CS_OFFL_SIR_LRM_2_20170921T064544_20170921T064506_CO01 CS_OFFL_SIR_LRM_2_20170921T064544_20170921T06506_CO01 CS_OFFL_SIR_LRM_2_20170921T074017_20170921T07408_CO01 CS_OFFL_SIR_LRM_2_20170921T074017_20170921T07408_CO01 CS_OFFL_SIR_LRM_2_20170921T074017_20170921T07408_CO01 CS_OFFL_SIR_LRM_2_20170921T074017_20170921T07408_CO01 CS_OFFL_SIR_LRM_2_20170921T074017_20170921T07408_CO01 CS_OFFL_SIR_LRM_2_20170921T074017_20170921T07408_CO01 CS_OFFL_SIR_LRM_2_20170921T074017_20170921T07408_CO01 CS_OFFL_SIR_LRM_2_20170921T07408_20170921T07408_CO01 CS_OFFL_SIR_LRM_2_20170921T07408_20170921T07408_CO01 CS_OFFL_SIR_LRM_2_20170921T07408_CO01 CS_OFFL_SIR_LRM_2_20170921T07525_CO01 CS_OFFL_SIR_LRM_2_20170921T07525_CO01 CS_OFFL_SIR_LRM_2_20170921T07509_201709220_CO01 CS_OFFL_SIR_LRM_2_20170921T09409_20170921T09409_CO01 CS_OFFL_SIR_LRM_2_20170921T09409_20170921T094413_CO01 CS_OFFL_SIR_LRM_2_20170921T09409_20170921T094413_CO01 CS_OFFL_SIR_LRM_2_20170921T09409_20170921T09453_CO01 CS_OFFL_SIR_LRM_2_20170921T09409_20170921T09453_CO01 CS_OFFL_SIR_LRM_2_20170921T09409_20170921T109453_CO01 CS_OFFL_SIR_LRM_2_20170921T109409_20170921T109459_CO01 CS_OFFL_SIR_LRM_2_20170921T109409_20170921T109459_CO01 CS_OFFL_SIR_LRM_2_20170921T109409_20170921T109459_CO01 CS_OFFL_SIR_LRM_2_20170921T109409_20170921T109459_CO01 CS_OFFL_SIR_LRM_2_20170921T109409_20170921T109459_CO01 CS_OFFL_SIR_LRM_2_20170921T109409_20170921T109459_CO01 CS_OFFL_SIR_LRM_2_20170921T109409_20170921T109459_CO01 CS_OFFL_SIR_LRM_2_20170921T109409_20170921T109490_CO01 CS_OFFL_SIR_LRM_2_20170921T109409_20170921T109490_CO01 CS_OFFL_SIR_LRM_2_20170921T109409_20170921T109490_CO01 CS_OFFL_SIR_LRM_2_20170921T109409_20170921T109490_CO01 CS_OFFL_SIR_LRM_2_20170921T109409_20170921T109490_CO01 CS_OFFL_SIR_LRM_2_20170921T109409_20170921T109490_CO01 CS_OFFL_SIR_LRM_2_20170921T109409_20170921T109490_CO01 CS_OFFL_SIR_LRM_2_20170921T109409_20170921T109490_CO01 CS_OFFL_SIR_LRM_2_20170921T109409_20170921T109490_CO01 CS_OFFL_SIR_LRM_2_20170921T109409_CO01 CS_OFFL_SIR_L	CS OFFI SID LDM 2 20170021T055721 20170021T061140 C001	,	
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CS_OFFL_SIR_LRM_2_20170921T07492_20170921T07496_C001 CS_OFFL_SIR_LRM_2_20170921T074947_20170921T07496_C001 CS_OFFL_SIR_LRM_2_20170921T074949_20170921T07496_C001 CS_OFFL_SIR_LRM_2_20170921T074949_20170921T075235_C001 CS_OFFL_SIR_LRM_2_20170921T075725_20170921T09217092120092100001 CS_OFFL_SIR_LRM_2_20170921T075725_20170921T092170921200001 CS_OFFL_SIR_LRM_2_20170921T075725_20170921T092170921200001 CS_OFFL_SIR_LRM_2_20170921T075725_201709217092170921200001 CS_OFFL_SIR_LRM_2_20170921T075725_20170921T092170921200001 CS_OFFL_SIR_LRM_2_20170921T095719_20170921T093812_C001 CS_OFFL_SIR_LRM_2_20170921T095719_20170921T093812_C001 CS_OFFL_SIR_LRM_2_20170921T093005_20170921T093812_C001 CS_OFFL_SIR_LRM_2_20170921T094002_20170921T093812_C001 CS_OFFL_SIR_LRM_2_20170921T094002_20170921T093812_C001 CS_OFFL_SIR_LRM_2_20170921T094002_20170921T109450_C001 CS_OFFL_SIR_LRM_2_20170921T104404_20170921T102512_C001 CS_OFFL_SIR_LRM_2_20170921T1044002_20170921T102512_C001 CS_OFFL_SIR_LRM_2_20170921T1044002_20170921T102512_C001 CS_OFFL_SIR_LRM_2_20170921T1044002_20170921T10245_C001 CS_OFFL_SIR_LRM_2_20170921T1044002_20170921T10245_C001 CS_OFFL_SIR_LRM_2_20170921T1044002_20170921T10545_C001 CS_OFFL_SIR_LRM_2_20170921T1044002_20170921T10545_C001 CS_OFFL_SIR_LRM_2_20170921T1044002_20170921T10545_C001 CS_OFFL_SIR_LRM_2_20170921T1044002_20170921T1040000000000000000000000000000000000			
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CS_OFFL_SIR_LRM_2_201709211074017_20170921703930_C001 Regretable 3), Baskscatter Error (Retracker 2) Replication of Retracker 3) Respective 2) Replication of Retracker 3) Respective 2) Replication of Retracker 3) Respective 3) Respective 3 R		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). Backscatter Error for Retracker 3 and a height error for Retracker 3 and a height error for Retracker 3 and a height error for Retracker 3 for one or more records. SofFL_SIR_LRM_2_20170921T074948_20170921T09320_C001 Surface Model Unavailable Height Error (Retracker 2). Height Error (Retracker 3). Backscatter Error for Retracker 3 (Height Error (Retracker 2). Height Error (Retracker 3). Backscatter Error for Retracker 3). Backscatter Error for Retracker 3 (Height Error (Retracker 3)). Height Error (Retracker 3). Backscatter Error for Retracker 3). Backscatter Error for Retracker 3 (Height Error (Retracker 3)). Height Error (Retracker 3). Backscatter Error for Retracker 3). Backscatter Error for Retracker 3 (Height Error (Retracker 3)). Height Error (Retracker 3). Backscatter Error for Retracker 3 (Height Error (Retracker 3)). Height Error (Retracker 3). Backscatter Error for Retracker 3 (Height Error (Retracker 3)). Height Error (Retracker 3). Backscatter Error for Retracker 3 (Height Error (Retracker 3)). Height Error (Retracker 3). Height Error (R	CS_OFFL_SIR_LRM_220170921T071532_20170921T073410_C001		
(Retracker 2) SoFFL_SIR_LRM_2_20170921T075235_C001 Residual part (Retracker 2), Backscatter Error	00.0051.010.1014.0004700047074047.0047000470	Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 and a height error
Error (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Height Error (Retracker 2 and a height error for Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20170921T094902_20170921T10158_C001 CS_OFFL_SIR_LRM_2_20170921T104344_20170921T105512_C001 CS_OFFL_SIR_LRM_2_20170921T104344_20170921T105512_C001 CS_OFFL_SIR_LRM_2_20170921T10050_20170921T111112_C001 CS_OFFL_SIR_LRM_2_20170921T110050_20170921T111112_C001 CS_OFFL_SIR_LRM_2_20170921T115050_20170921T111112_C001 CS_OFFL_SIR_LRM_2_20170921T115050_20170921T111112_C001 CS_OFFL_SIR_LRM_2_20170921T115825_20170921T1120519_C001 CS_OFFL_SIR_LRM_2_20170921T115825_20170921T120519_C001 CS_OFFL_SIR_LRM_2_20170921T115825_20170921T120519_C001 CS_OFFL_SIR_LRM_2_20170921T115825_20170921T14490_C001 CS_OFFL_SIR_LRM_2_20170921T1159217_C001 CS_OFFL_SIR_LRM_2_20170921T1159217_C001 CS_OFFL_SIR_LRM_2_20170921T115938_20170921T14490_C001 CS_OFFL_SIR_LRM_2_20170921T115038_20170921T150317_C001 CS_OFFL_SIR_LRM_2_20170921T115038_20170921T150317_C001 CS_OFFL_SIR_LRM_2_20170921T15038_20170921T15038_C001 CS_OFFL_SIR_LRM_2_20170921T15038_20170921T15038_C001 CS_OFFL_SIR_LRM_2_20170921T15038_20170921T15038_C001 CS_OFFL_SIR_LRM_2_20170921T15038_20170921T160880_C001 CS_OFFL_SIR_LRM_2_20170921T15038_20170921T160880_C001 CS_OFFL_SIR_LRM_2_20170921T160838_20170921T160880_C001 CS_OFFL_SIR_LRM_2_20170921T160838_20170921T160880_C001 CS_OFFL	CS_OFFL_SIR_LRM_2201709211074017_201709211074708_C001		for Retracker 3 for one or more records
Surface Model Unavailable Surface Model Unavailable No DEM or Siope Model was used for the location of one or more records Retracker 2), Backscatter Error (Retracker 3 for one or more records Surface Model Unavailable No DEM or Siope Model was used for the location of one or more records Retracker 3), Backscatter Error (Retracker 3 for one or more records Surface Model Unavailable No DEM or Siope Model was used for the location of one or more records No DEM or Siope Model was used for the location of one or more records Surface Model Unavailable No DEM or Siope Model was used for the location of one or more records No DEM or Siope Model was used for the location of one or more records Surface Model Unavailable No DEM or Siope Model was used for the location of one or more records No DEM or Siope Model was used for the location of one or more records Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retra	CS_OFFL_SIR_LRM_220170921T074948_20170921T075235_C001		
Height Error (Retracker 2), Height Error (Retracker 2) and a height error for Retracker 2 and a height error for Retracker 2 and a height error for Retracker 3 for one or more records Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20170921T093843_20170921T1094413_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 (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Bac	CS OFFL SIR LRM 2 20170921T075725 20170921T080530 C001	,	
CS_OFFL_SIR_LRM_2_20170921T093605_20170921T093812_C001 CS_OFFL_SIR_LRM_2_20170921T093843_20170921T094413_C001 CS_OFFL_SIR_LRM_2_20170921T093843_20170921T0155C001 CS_OFFL_SIR_LRM_2_20170921T094902_20170921T1015S_C001 CS_OFFL_SIR_LRM_2_20170921T10227_20170921T102453_C001 CS_OFFL_SIR_LRM_2_20170921T10227_20170921T102512_C001 CS_OFFL_SIR_LRM_2_20170921T10050_20170921T111112_C001 CS_OFFL_SIR_LRM_2_20170921T1005_20170921T111112_C001 CS_OFFL_SIR_LRM_2_20170921T11005_20170921T111112_C001 CS_OFFL_SIR_LRM_2_20170921T11005_20170921T111112_C001 CS_OFFL_SIR_LRM_2_20170921T11005_20170921T111112_C001 CS_OFFL_SIR_LRM_2_20170921T112742_20170921T111506_C001 CS_OFFL_SIR_LRM_2_20170921T11005_20170921T1005_20170921T			·
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CS_OFFL_SIR_LRM_2_20170921T093843_20170921T101558_C001 CS_OFFL_SIR_LRM_2_20170921T102227_20170921T101552_C001 CS_OFFL_SIR_LRM_2_20170921T102227_20170921T102453_C001 CS_OFFL_SIR_LRM_2_20170921T102227_20170921T105512_C001 CS_OFFL_SIR_LRM_2_20170921T1050_20170921T105512_C001 CS_OFFL_SIR_LRM_2_20170921T10050_20170921T110500 CS_OFFL_SIR_LRM_2_20170921T10500_20170921T110500 CS_OFFL_SIR_LRM_2_20170921T110500_20170921T110500 CS_OFFL_SIR_LRM_2_20170921T110500_20170921T110500 CS_OFFL_SIR_LRM_2_20170921T115806_C001 CS_OFFL_SIR_LRM_2_20170921T115806_C001 CS_OFFL_SIR_LRM_2_20170921T110500_20170921T110001 CS_OFFL_SIR_LRM_2_20170921T110001 CS_OFFL_SIR_LRM_2_20170921T10001 CS_OFFL_SIR_LRM_2_20170921T10001 CS	CS OFFI SIR LRM 2 2017/0921T/093605 2017/0921T/093812 C001	,	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 for Retracker 2 and a height error (Retracker 3). Backscatter Error (Retracker 2). Backscatter Error (Retracker 2). Backscatter Error (Retracker 2). Backscatter Error (Retracker 3). Backscatter Error (Retracker 2). Backscat			·
CS_OFFL_SIR_LRM_2_20170921T102227_20170921T102453_C001 CS_OFFL_SIR_LRM_2_20170921T102227_20170921T102453_C001 CS_OFFL_SIR_LRM_2_20170921T102227_20170921T105512_C001 CS_OFFL_SIR_LRM_2_20170921T104344_20170921T105512_C001 CS_OFFL_SIR_LRM_2_20170921T110450_20170921T1105512_C001 CS_OFFL_SIR_LRM_2_20170921T11050_20170921T111112_C001 CS_OFFL_SIR_LRM_2_20170921T11050_20170921T111112_C001 CS_OFFL_SIR_LRM_2_20170921T112742_20170921T115506_C001 CS_OFFL_SIR_LRM_2_20170921T115825_20170921T105512_C001 CS_OFFL_SIR_LRM_2_20170921T115825_20170921T10550_C001 CS_OFFL_SIR_LRM_2_20170921T115825_20170921T102519_C001 CS_OFFL_SIR_LRM_2_20170921T115825_20170921T102519_C001 CS_OFFL_SIR_LRM_2_20170921T115825_20170921T124910_C001 CS_OFFL_SIR_LRM_2_20170921T134141_20170921T134435_C001 CS_OFFL_SIR_LRM_2_20170921T134141_20170921T134435_C001 CS_OFFL_SIR_LRM_2_20170921T135628_20170921T134345_C001 CS_OFFL_SIR_LRM_2_20170921T135628_20170921T150317_C001 CS_OFFL_SIR_LRM_2_20170921T135628_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T163308_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T16555_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T16555_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T16555_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T16555_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T16555_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T16555_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T16555_20170921T1650800_C001 CS_OFFL_SIR_LRM_2_20170921T16555_20170921T1650800_C001 CS_OFFL_SIR_LRM_2_20170921T16555_20170921T1650800_C001 CS_OFFL_SIR_LRM_2_20170921T16555_20170921T165038_C001 CS_OFFL_SIR_LRM_2_20170921T16555_20170921T1650800_C001 CS_OFFL_SIR_LRM_2_20170921T16555_20170921T1650800_C001 CS_OFFL_SIR_LRM_2_20170921T1650500_C001 CS_OFFL_SIR_LRM_2_20170921T1650500_C001 CS_OFFL_SIR_LRM_2_20170921T1650500_C001 CS_OFFL_SIR_LRM_2_20170921T1650500_C001 CS_OFFL_SIR_LRM_2_20170921T1650500_C001 CS_OFFL_SIR_LRM_2_20170921T1650500_C001 CS_OFFL_SIR_LRM_2	CS_OFFL_SIR_LRM_220170921T093843_20170921T094413_C001		No DEM or Slope Model was used for the location of one or more records
(Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20170921T102227_20170921T102453_C001 (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3) for one or more records CS_OFFL_SIR_LRM_2_20170921T110050_20170921T1105512_C001 Height Error (Retracker 2) and a height error (Retracker 2) CS_OFFL_SIR_LRM_2_20170921T110050_20170921T111112_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatt	CS_OFFL_SIR_LRM_220170921T094902_20170921T101158_C001		
CS_OFFL_SIR_LRM_2_20170921T10227_20170921T105512_C001 CS_OFFL_SIR_LRM_2_20170921T104344_20170921T105512_C001 CS_OFFL_SIR_LRM_2_20170921T11050_20170921T111112_C001 CS_OFFL_SIR_LRM_2_20170921T11050_20170921T111112_C001 CS_OFFL_SIR_LRM_2_20170921T111742_20170921T115506_C001 CS_OFFL_SIR_LRM_2_20170921T115825_20170921T1120519_C001 CS_OFFL_SIR_LRM_2_20170921T115825_20170921T120519_C001 CS_OFFL_SIR_LRM_2_20170921T115825_20170921T120519_C001 CS_OFFL_SIR_LRM_2_20170921T12740_20170921T124910_C001 CS_OFFL_SIR_LRM_2_20170921T134141_20170921T134435_C001 CS_OFFL_SIR_LRM_2_20170921T135628_20170921T134435_C001 CS_OFFL_SIR_LRM_2_20170921T135628_20170921T110017_C001 CS_OFFL_SIR_LRM_2_20170921T135628_20170921T10017_C001 CS_OFFL_SIR_LRM_2_20170921T13508_20170921T160001_C001 CS_OFFL_SIR_LRM_2_20170921T135001_C001 CS_OFFL_SIR_LRM_2_20170921T135001_C001 CS_OFFL_SIR_LRM_2_20170921T135001_C001 CS_OFFL_SIR_LRM_2_20170921T150017_C001 CS_OFFL_SIR_LRM_2_20170921T160001_C001 CS_OFFL_SIR_LRM_2_20170921T1600001_C001 CS_OFFL_SIR_LRM_2_20170921T1600001_C001 CS_OFFL_SIR_LRM_2_2017092	_	, ,	
CS_OFFL_SIR_LRM_2_20170921T104344_20170921T1105512_C001 CS_OFFL_SIR_LRM_2_20170921T1104344_20170921T111112_C001 CS_OFFL_SIR_LRM_2_20170921T11050_20170921T111112_C001 CS_OFFL_SIR_LRM_2_20170921T112742_20170921T115506_C001 CS_OFFL_SIR_LRM_2_20170921T115825_20170921T1120519_C001 CS_OFFL_SIR_LRM_2_20170921T115825_20170921T120519_C001 CS_OFFL_SIR_LRM_2_20170921T12740_20170921T120519_C001 CS_OFFL_SIR_LRM_2_20170921T121740_20170921T124910_C001 CS_OFFL_SIR_LRM_2_20170921T134141_20170921T134435_C001 CS_OFFL_SIR_LRM_2_20170921T134141_20170921T134435_C001 CS_OFFL_SIR_LRM_2_20170921T135628_20170921T144902_C001 CS_OFFL_SIR_LRM_2_20170921T135628_20170921T140000 CS_OFFL_SIR_LRM_2_20170921T135628_20170921T150317_C001 CS_OFFL_SIR_LRM_2_20170921T153308_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T1643308_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T1643308_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T1643308_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165915_C0010 CS_OFFL_SIR_LRM_2_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165955_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165955_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165955_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165955_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165915_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165915_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T166916_C001 CS_OFFL_SIR_LRM_2_20170921T166916_C001 CS_OFFL_SIR_LR	CS_OFFL_SIR_LRM_220170921T102227_20170921T102453_C001	(Retracker 3), Backscatter Error	
Error (Retracker 2) CS_OFFL_SIR_LRM_2_20170921T110050_20170921T1111112_C001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter	00.0751.010.1014.0.0015151515151515151515151515151515151	,	
Error (Retracker 2) Height Error (Retracker 2) H	CS_OFFL_SIR_LRM_2201709211104344_20170921T105512_C001	Error (Retracker 2)	records
Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retr	CS_OFFL_SIR_LRM_220170921T110050_20170921T1111112_C001		
CS_OFFL_SIR_LRM_2_20170921T120519_C001 CS_OFFL_SIR_LRM_2_20170921T121740_20170921T124910_C001 CS_OFFL_SIR_LRM_2_20170921T121740_20170921T124910_C001 CS_OFFL_SIR_LRM_2_20170921T134141_20170921T134435_C001 CS_OFFL_SIR_LRM_2_20170921T134141_20170921T134435_C001 CS_OFFL_SIR_LRM_2_20170921T135628_20170921T142923_C001 CS_OFFL_SIR_LRM_2_20170921T144705_20170921T150317_C001 CS_OFFL_SIR_LRM_2_20170921T153308_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T162038_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T1616555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T1616555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T1616555_20170921T165916_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2) Heigh	CS_OFFL_SIR_LRM_220170921T112742_20170921T115506_C001		•
CS_OFFL_SIR_LRM_2_20170921T120319_C001 CS_OFFL_SIR_LRM_2_20170921T121740_20170921T124910_C001 CS_OFFL_SIR_LRM_2_20170921T134141_20170921T134435_C001 CS_OFFL_SIR_LRM_2_20170921T134141_20170921T134435_C001 CS_OFFL_SIR_LRM_2_20170921T135628_20170921T142923_C001 CS_OFFL_SIR_LRM_2_20170921T135628_20170921T142923_C001 CS_OFFL_SIR_LRM_2_20170921T144705_20170921T150317_C001 CS_OFFL_SIR_LRM_2_20170921T153308_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T153308_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T165916_C001 CS_OFFL_SIR_LRM_2_10170921T161643_20170921T165916_C001 CS_OFFL_SIR_LRM_2_10170921T161643_20170921T165		Height Error (Retracker 2), Height Error	
CS_OFFL_SIR_LRM_2_20170921T121740_20170921T124910_C001 Height Error (Retracker 2), Backscatter Err	CS_OFFL_SIR_LRM_220170921T115825_20170921T120519_C001		
CS_OFFL_SIR_LRM_2_20170921T134141_20170921T134435_C001 CS_OFFL_SIR_LRM_2_20170921T135628_20170921T142923_C001 CS_OFFL_SIR_LRM_2_20170921T135628_20170921T142923_C001 CS_OFFL_SIR_LRM_2_20170921T144705_20170921T150317_C001 CS_OFFL_SIR_LRM_2_20170921T153308_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T163308_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2) 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 more records	CS_OFFL_SIR_LRM_2_20170921T121740_20170921T124910_C001	Height Error (Retracker 2), Backscatter	
CS_OFFL_SIR_LRM_2_20170921T135628_20170921T142923_C001 CS_OFFL_SIR_LRM_2_20170921T135628_20170921T142923_C001 CS_OFFL_SIR_LRM_2_20170921T144705_20170921T150317_C001 CS_OFFL_SIR_LRM_2_20170921T153308_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T16555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T171137_20170921T165916_C001 Error (Retracker 2) Height Error (Retracker 2), Backscatter Error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records			
CS_OFFL_SIR_LRM_2_20170921T153308_20170921T150317_C001 CS_OFFL_SIR_LRM_2_20170921T153308_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T153308_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T16038_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T162038_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T171137_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T171137_20170921T172600_C001 Height Error (Retracker 2), Backscatter error for Retracker 2 for one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 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	C5_OFFL_SIK_LKM_ZZ01709211134141_Z01709211134435_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20170921T153308_20170921T150317_C001 Error (Retracker 2) Height Error (Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20170921T161643_20170921T162038_C001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 Height Error (Retracker 2), Backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_220170921T135628_20170921T142923_C001		
CS_OFFL_SIR_LRM_2_20170921T153308_20170921T160809_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T162038_C001 CS_OFFL_SIR_LRM_2_20170921T161643_20170921T162038_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 CS_OFFL_SIR_LRM_2_20170921T171137_20170921T172600_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_220170921T144705_20170921T150317_C001		~
CS_OFFL_SIR_LRM_2_20170921T161643_20170921T162038_C001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more		Height Error (Retracker 2), Backscatter	
CS_OFFL_SIR_LRM_2_20170921T162555_20170921T165916_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2) Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Backscatter Error (Retracker 2) Backscatter 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_220170921T102555_20170921T105916_C001 Error (Retracker 2) records There is a height and backscatter error for Retracker 2 for one or more	CS_OFFL_SIR_LRM_220170921T161643_20170921T162038_C001		
CS_OFFI_SIR_LRM_2_20170921T174137_20170921T172600_C001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more	CS_OFFL_SIR_LRM_220170921T162555_20170921T165916_C001		
Ellor (Retracker 2) records	CS_OFFL_SIR_LRM_220170921T171137_20170921T172600_C001	Height Error (Retracker 2), Backscatter	~
		LITOT (INCLIAUNCE Z)	rocordo

CS OFFL SIR LRM 2 20170921T173042 20170921T174739 C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220170921T180554_20170921T181900_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
	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_2_20170921T182114_20170921T184040_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220170921T190035_20170921T191101_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_220170921T191241_20170921T192619_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_220170921T195035_20170921T195513_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20170921T200141_20170921T200452_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_220170921T200614_20170921T201323_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_220170921T201446_20170921T201654_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20170921T204502_20170921T210456_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_220170921T212123_20170921T214610_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_220170921T220804_20170921T221027_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_220170921T222040_20170921T224405_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_220170921T225310_20170921T225636_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20170921T230022_20170921T231104_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_220170921T231641_20170921T233228_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_220170921T234617_20170921T234650_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_220170921T234807_20170921T235317_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_SIN_2_20170921T003600_20170921T003624_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_220170921T011727_20170921T011845_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T012417_20170921T012735_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T021526_20170921T021618_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_220170921T025648_20170921T025804_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T030313_20170921T030626_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T043745_20170921T044020_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T044217_20170921T044752_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T061638_20170921T061923_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T062127_20170921T062227_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T062628_20170921T062806_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T071209_20170921T071317_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T071419_20170921T071531_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2 _20170921T074708_20170921T074948_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 _20170921T075510_20170921T075725_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170921T080531_20170921T080718_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170921T085125_20170921T085718_C001	SARIn X-track Angle Error, Surface	records 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_20170921T093418_20170921T093605_C001	Model Unavailable SARIn X-track Angle Error	Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170921T093812_20170921T093843_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170921T094413_20170921T094640_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170921T102453_20170921T102517_C001	SARIn X-track Angle Error, Surface	records 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_220170921T102615_20170921T102643_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 Model was used for one or more records.
CS_OFFL_SIR_SIN_220170921T111343_20170921T111525_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_220170921T111629_20170921T111813_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170921T112301_20170921T112312_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170921T112413_20170921T112536_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170921T121337_20170921T121656_C001	Height Error (Retracker 1)	records There is a height error for Retracker 1 for one or more records
CS_OFFL_SIR_SIN_220170921T125353_20170921T125722_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170921T130253_20170921T130409_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170921T143303_20170921T143624_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
		records

CS_OFFL_SIR_SIN_2_20170921T144139_20170921T144302_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T152325_20170921T152509_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T161011_20170921T161204_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T162038_20170921T162147_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T165916_20170921T170020_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T170307_20170921T170415_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T174827_20170921T175005_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T175738_20170921T175934_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T184112_20170921T184329_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_220170921T192742_20170921T192930_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T193452_20170921T193458_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T193612_20170921T194305_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T201654_20170921T202206_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_220170921T210648_20170921T210948_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T211350_20170921T211356_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T211619_20170921T211904_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T224622_20170921T224737_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T225304_20170921T225310_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T225636_20170921T225756_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170921T234501_20170921T234536_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

6. QCC Report Analysis

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

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_LRM_1B	136	136	136	0	0
SIR_LRM_2	135	135	135	0	0
SIR_LRMI2_	135	135	135	0	0
SIR_SAR_1B	81	81	81	0	0
SIR_SAR_2	81	81	81	0	0
SIR_SARI2_	81	81	81	0	0
SIR_SIN_1B	96	96	96	0	0
SIR_SIN_2	96	96	96	0	0
SIR_SINI2	96	96	96	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:

151