



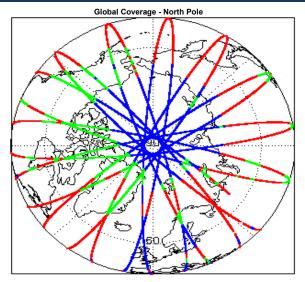
1. Overview

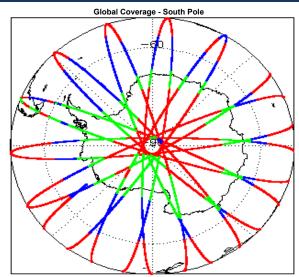
Report Production Date:	13-Oct-2017	
Processor Used:	sor Used: CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

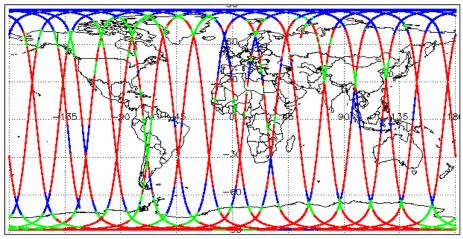
	-
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2 and 5.2
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File Usage Check	Nominal
L1B & L2 Auxiliary Correction Error Check	Nominal
L1B & L2 Measurement Confidence Data Check	See Section 4.7 and 5.5

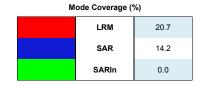
Mission / Instru	ument News
12-Sep-2017	None
13-Sep-2017	None
14-Sep-2017	Nothing planned

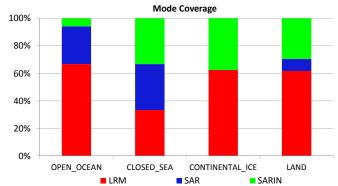
2. Global Coverage

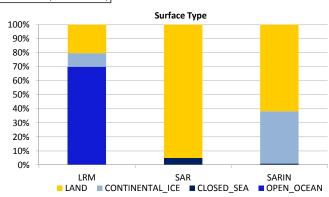












3. Instrument Configuration

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:

Product	Test Failed		
CS_OFFL_SIR_SAR_1B_20170913T182848_20170913T182849_C001	Percentage of processing errors detected greater than minimum acceptable threshold.		

4.3 Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing

Number of products with errors:

4.4 L1B Calibration Usage Check

Each product is checked in order to ensure that the necessary calibration files have been used in processing

Number of products with errors:

4.5 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.6 L1B Auxiliary Correction Error Check

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

Number of products with errors:

4.7 L1B Measurement Confidence Data Check

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20170913T072635_20170913T074417_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20170913T104740_20170913T105058_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20170913T201015_20170913T201121_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20170913T202007_20170913T202312_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: 1

Product	Test Failed	
CS_OFFL_SIR_SAR_220170913T182848_20170913T182849_C001	Percentage of processing errors detected greater than minimum acceptable threshold.	

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

5.5 L2 Measurement Quality Flag Check

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

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

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

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

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

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:

Dept. Bit Bit 2 007000 171001112, 2017001 17100000 Collection Collectio	Product	Test Failed	Description	
CQ_CPT_SRI_MA_2_00170017103007_00101 CQ_CPT_SRI_MA_2_00170017103007_0010101000010_0010 CQ_CPT_SRI_MA_2_00170017103007_0010101000010_0010 CQ_CPT_SRI_MA_2_00170017103007_00101000010_0010 CQ_CPT_SRI_MA_2_00170017103007_001000010_0010 CQ_CPT_SRI_MA_2_00170017103007_001000000_0010 CQ_CPT_SRI_MA_2_00170017103007_001000000_0010 CQ_CPT_SRI_MA_2_00170017103007_001000000000000000000000		Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more	
CO_OFF_SR_BILL_2_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017003T104004_2017		,		
CQ.OFFL.SRL.2012_2817001700017_20101100010_COT OPPL.SRL.2012_2817001700017_20101100010_COT OPPL.SRL.2012_2817001700017_2010101000010_COT OPPL.SRL.2012_2817001700017_2010100000000000000000000000	CS_OFFL_SIR_LRM_2201709131001719_201709131003437_C001	Error (Retracker 2)	records	
Co. GHE, SRI, LINE, 2. DOTTORSTOCKOS, 2017813 TOCKOS, 201781 STOCKOS, 201781 S	CS_OFFL_SIR_LRM_220170913T004637_20170913T005349_C001	(Retracker 3), Backscatter Error (Retracker 2)		
Entire Review (2) Co. CHL, SHL (2) 2 (2017/09/310420 2019/91/3103000 2019 Co. CHL, SHL (2017) 2 (2017/09/310420 2019/91/3103000 2019 Co. CHL (2) 2017/09/310420 2019/91/310420 2019 Co. CHL (2) 2017/09/310440 2019/91/310420 2019 Co. CHL (2) 2017/09/310440 2019/91/310440 2019 Co. CHL (2) 2017/09/310440 2019/	CS_OFFL_SIR_LRM_220170913T005705_20170913T010213_C001	(Retracker 3), Backscatter Error (Retracker 2)		
COUNTLY SIR, LIMB 2, 2017/9917102195, 2017/9917102195, 2017/9917102195, 2017/9917102195, 2017/9917102195, 2017/9917102195, 2017/99171020219, 2001 COUNTLY SIR, LIMB 2, 2017/9917102195, 2017/99171020219, 2001 COUNTLY SIR, LIMB 2, 2017/9917102195, 2017/99171020219, 2001 COUNTLY SIR, LIMB 2, 2017/991710215, 2017/99171020219, 2001 COUNTLY SIR, LIMB 2, 2017/9917102225, 2017/99171020229, 2001 COUNTLY SIR, LIMB 2, 2017/9917102225, 2017/99171020229, 2001 COUNTLY SIR, LIMB 2, 2017/9917102225, 2017/99171020225, 2017/99171020225, 2017/99171020225, 2017/99171020225, 2017/9917102225, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2017/9917102025, 2	CS_OFFL_SIR_LRM_220170913T012017_20170913T012401_C001			
COPFL. SR. LEW 2_077995780950. 201709177095052. 20170917709505. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 201709177095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095052. 2017095	CS_OFFL_SIR_LRM_220170913T012828_20170913T013407_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records	
ES_OFF_SRI_EM_2_POTFORISTICASES_COTO CS_OFF_SRI_EM_2_POTFORISTICASES_COTO CS_OFF_SRI_EM_2_POTFORISTICASES_	CS_OFFL_SIR_LRM_220170913T014149_20170913T021404_C001		· · · · · · · · · · · · · · · · · · ·	
E.g. GFFL_SRL_EAW_2_201709151106509_201709151005505_C001 C.g. GFFL_SRL_EAW_2_20170915106509_20170915106509_C001 C.g. GFFL_SRL_EAW_2_20170915	CS_OFFL_SIR_LRM_220170913T021505_20170913T021534_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more	
Scientification (Patrolater) 2, subject from (Restouder) 2, subject from Restouder 2, sub-security from Restouder 2 and a height even for Rest	CS_OFFL_SIR_LRM_220170913T024636_20170913T030219_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more	
Seg. GFFL, SIRL, LRML 2, 20170913T04975, 20170913T04920, CO01 Seg. GFFL, SIRL, LRML 2, 20170913T04975, 20170913T04920, CO01 Seg. GFFL, SIRL, LRML 2, 20170913T04925, 20170913T04920, CO01 Seg. GFFL, SIRL, LRML 2, 20170913T04925, 20170913T04920, CO01 Seg. GFFL, SIRL, LRML 2, 20170913T04926, 20170913T04920, CO01 Seg. GFFL, SIRL, LRML 2, 20170913T04926, 20170913T04920, CO01 Seg. GFFL, SIRL, LRML 2, 20170913T04926, 20170913T04920, CO01 Seg. GFFL, SIRL, LRML 2, 20170913T04913T06913, CO01 Seg. GFFL, SIRL, LRML 2, 20170913T06913, 20170913T06914, CO01 Seg. GFFL, SIRL, LRML 2, 20170913T06914, 20170913T06914, CO01 Seg. GFFL, SIRL, LRML 2, 20170913T06949, CO01 Seg. GFFL, SIRL, LRML 2, 20170913T06949, 20170913T06949, CO01 Seg. GFFL, SIRL, LRML 2, 20170913T06949, CO11 Seg. GFFL, SIRL, LRML 2, 20170913T06949, CO11 Seg. GFFL, SIRL, LRML 2, 20170913T06959, CO11 Seg. GFFL, SIRL, LRML 2, 20170	CS_OFFL_SIR_LRM_220170913T032007_20170913T035526_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error	
CS_OFFL_SIR_LEM_2_20170913T045252_20170913T04520_C001 CS_OFFL_SIR_LEM_2_20170913T045204_20170013T04520_C001 CS_OFFL_SIR_LEM_2_20170913T045204_20170913T04520_C001 CS_OFFL_SIR_LEM_2_20170913T045204_20170913T045204_C001 CS_OFFL_SIR_LEM_2_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_20170913T04504_2017091	CS_OFFL_SIR_LRM_220170913T040516_20170913T040720_C001	Height Error (Retracker 2), Backscatter		
(Retacker 2) (R	CS OFFI SID LDM 2 20470042T04472F 20470042T042204 C004	Height Error (Retracker 2), Height Error		
CS_OFFL_SIR_LRN_2_20170913104598_20170913104504_C001 CS_OFFL_SIR_LRN_2_20170913104598_20170913104504_C001 CS_OFFL_SIR_LRN_2_20170913104598_20170913104504_C001 CS_OFFL_SIR_LRN_2_20170913104598_201709131060015_C001 CS_OFFL_SIR_LRN_2_201709131060015_C001 CS_OFFL_SIR_LRN_2_201709131060015_C00100131060015_C001 CS_OFFL_SIR_LRN_2_201709131060015_C00100131060015_C001 CS_OFFL_SIR_LRN_2_201709131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00100131060015_C00	GS_GTTE_GIN_ENWI_ZZ01709131041735_201709131042201_G001	(Retracker 2)		
keigh Error (Retrocker 2), Neight Error (Retrocker 2), Neight Error (Retrocker 2) and a height error for Retracker 2 and a height error (Retrocker 2), Neight Error (Retro	CS_OFFL_SIR_LRM_220170913T042252_20170913T044029_C001	(Retracker 3), Backscatter Error (Retracker 2)		
CS_OFFL_SR_LRN_2_20170913T04594_20170913T06552_001 CS_OFFL_SR_LRN_2_20170913T06505_20170913T06505_001 CS_OFFL_SR_LRN_2_20170913T06505_20170913T06505_001 CS_OFFL_SR_LRN_2_20170913T06506_20170913T0706505_001 CS_OFFL_SR_LRN_2_20170913T06506_20170913T0706505_001 CS_OFFL_SR_LRN_2_20170913T0706506_20170913T0706505_001 CS_OFFL_SR_LRN_2_20170913T0706506_20170913T0706505_001 CS_OFFL_SR_LRN_2_20170913T0706506_20170913T0706505_001 CS_OFFL_SR_LRN_2_20170913T0706506_20170913T0706506_001 CS_OFFL_SR_LRN_2_20170913T0706506_20170913T0706506_001 CS_OFFL_SR_LRN_2_20170913T0706506_20170913T0706506_001 CS_OFFL_SR_LRN_2_20170913T0706506_20170913T0706506_20170913T0706506_20170913T0706506_20170913T0706506_20170913T0706506_20170913T0706506_20170913T0706506_20170913T0706506_20170913T0706506_20170913T0706506_20170913T0706506_20170913T0706506_20170913T0706506_20170913T0706506_20170913T0706506_20170913T0706506_20170913T0706506_20170913T0706606_20170913T0706606_20170913T0706606_20170913T0706606_20170913T0706606_20170913T0706606_20170913T0706606_20170913T0706606_20170913T0706606_20170913T0706606_20170913T070666_20170913T070666_20170913T070666_20170913T070666_20170913T070666_20170913T070666_20170913T070666_20170913T070666_20170913T070666_20170913T070666_20170913T070666_20170913T070666_20170913T070666_20170913T070666_20170913T070666_20170913T070666_20170913T070666_20170913T07066_201017066_20170913T07066_20170913T07066_201017066_20170913T07066_20170913T07066_201017066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_20170913T07066_201709	CS_OFFL_SIR_LRM_220170913T044958_20170913T045204_C001		No DEM or Slope Model was used for the location of one or more records	
(Refrancéer 2), Backscatter Error (Retracker 2), Backscatter Error	CS_OFFL_SIR_LRM_220170913T045946_20170913T053524_C001	(Retracker 3), Backscatter Error (Retracker 2)		
Sc. OFFL_SIR_LRM_2_20170913106394_20170913106315_0001 Since Model Unavailable Nogili Error (Retracker 2), Height Error (Retracker 3), Backscattler error for Petracker 2 and a height error (Retracker 3), Backscattler Error (Retracker 2), Berght Error (Retracker 3), Backscattler Error (Retracker 2), Berght Error (Retracker 3), Backscattler Error (Retracker 3), Backscattler Error (Retracker 3), Backscattler Error (Retracker 3), Backscattler Error (Retracker 2), Berght Error	CS_OFFL_SIR_LRM_220170913T054721_20170913T060615_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records	
Height Error (Retracker 2) Height Error (Retrack	CS_OFFL_SIR_LRM_220170913T060718_20170913T062054_C001			
CS_OFFL_SIR_LRM_2_20170913T065384_20170913T07438_COOI CS_OFFL_SIR_LRM_2_20170913T076353_20170913T07445_COOI CS_OFFL_SIR_LRM_2_20170913T076353_20170913T074417_COOI CS_OFFL_SIR_LRM_2_20170913T076353_20170913T074417_COOI CS_OFFL_SIR_LRM_2_20170913T076353_20170913T074417_COOI CS_OFFL_SIR_LRM_2_20170913T081828_20170913T0763239_COOI CS_OFFL_SIR_LRM_2_20170913T081828_20170913T093239_COOI CS_OFFL_SIR_LRM_2_20170913T081828_20170913T093239_COOI CS_OFFL_SIR_LRM_2_20170913T081828_20170913T094203_COOI CS_OFFL_SIR_LRM_2_20170913T09135_20170913T094203_COOI CS_OFFL_SIR_LRM_2_20170913T09435_20170913T094203_COOI CS_OFFL_SIR_LRM_2_20170913T09435_20170913T094030_COOI CS_OFFL_SIR_LRM_2_20170913T09435_20170913T094030_COOI CS_OFFL_SIR_LRM_2_20170913T09435_20170913T094030_COOI CS_OFFL_SIR_LRM_2_20170913T09435_20170913T094030_COOI CS_OFFL_SIR_LRM_2_20170913T09435_20170913T094040_COOI CS_OFFL_SIR_LRM_2_20170913T109435_20170913T109451_COOI CS_OFFL_SIR_LRM_2_20170913T109329_20170913T109451_COOI CS_OFFL_SIR_LRM_2_20170913T109329_20170913T109451_COOI CS_OFFL_SIR_LRM_2_20170913T109337_20170913T109451_COOI CS_OFFL_SIR_LRM_2_20170913T109337_20170913T109450_COOI CS_OFFL_SIR_LRM_2_20170913T109320_20170913T109451_COOI CS_OFFL_SIR_LRM_2_20170913T11093_20170913T110950_COOI CS_OFFL_SIR_LRM_2_20170913T11093_20170913T110950_COOI CS_OFFL_SIR_LRM_2_20170913T110913T10913T12502_COOI CS_OFFL_SIR_LRM_2_20170913T110913T12502_COOI CS_OFFL_SIR_LRM_2_20170913T110913T12503_COOI CS_OFFL_SIR_LRM_2_20170913T110913712503_COOI CS_OFFL_SIR_LRM_2_20170913T10913T12503_COOI CS_OFFL_SIR_LRM_2_20170913T109440_20170913T129300001 CS_OFFL_SIR_LRM_2_20170913T109440_20170913T134737_COOI CS_OFFL_SIR_LRM_2_20170913T134440_20170913T134389_COOI CS_OFFL_SIR_LRM_2_20170913T134440_20170913T134359_COOI CS_OFFL_SIR_LRM_2_20170913T134440_20170913T134359_COOI CS_OFFL_SIR_LRM_2_20170913T134440_20170913T134359_COOI CS_OFFL_SIR_LRM_2_20170913T134440_20170913T134359_COOI CS_OFFL_SIR_LRM_2_20170913T134440_20170913T134359_COOI CS_OFFL_SIR_LRM_2_20170913T1344	CS_OFFL_SIR_LRM_220170913T062914_20170913T063113_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records	
CS_OFFL_SIR_LRM_2_20170913T065536_20170913T0704556_C001 (Retracker 3), Backscatter Error (Retracker 2) theight Er	CS_OFFL_SIR_LRM_220170913T063842_20170913T065335_C001	(Retracker 3), Backscatter Error (Retracker 2)		
CS_OFFL_SIR_LRM_2_20170913T03532_20170913T04417_C001 CRetracker 3_B askscatter Error (Retracker 2_Error (Retracker 2_E)_Error (Retracker 2_Error (Retracker 2_E)_Error (Retracker 2_Error (Retracker 2_E)_Error (Retracker 2_E)_Error (Retracker 2_Error (Retracker 2_E)_Error	CS_OFFL_SIR_LRM_220170913T065536_20170913T070458_C001	(Retracker 3), Backscatter Error		
Error (Retracker 2) Error (Re	CS_OFFL_SIR_LRM_220170913T072635_20170913T074417_C001	(Retracker 3), Backscatter Error		
Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20170913T091035_02170913T094030_C001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20170913T094518_20170913T109249_C001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more records Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2),	CS_OFFL_SIR_LRM_220170913T081828_20170913T083239_C001			
CS_OFFL_SIR_LRM_2_20170913T094503_C001 CS_OFFL_SIR_LRM_2_20170913T094503_C001 CS_OFFL_SIR_LRM_2_20170913T094518_20170913T094803_C001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 in the location of one or more records There is a height and backscatter error for Retracker 2 or for Retracker 2 in 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 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 bac	CS_OFFL_SIR_LRM_220170913T090657_20170913T090912_C001			
CS_OFFL_SIR_LRM_2_20170913T1094550_20170913T1094803_C001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20170913T094818_20170913T102219_C001 Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retr	CS OFFL SIR LRM 2 20170913T091035 20170913T094203 C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more	
CS_OFFL_SIR_LRM_2_20170913T1094818_20170913T102219_C001 Height Error (Retracker 2). Backscatter Error (Retracker 2). Height Error (Retracker 3). Backscatter Error (Retracker 2). Backscatter Error (
Height Error (Retracker 2), Backscatter Error (Retracker 2) and a height error for Retracker 2 or one or more records S_OFFL_SIR_LRM_2_20170913T103229_20170913T103451_C001 CS_OFFL_SIR_LRM_2_20170913T103507_20170913T103524_C001 CS_OFFL_SIR_LRM_2_20170913T103507_20170913T103524_C001 CS_OFFL_SIR_LRM_2_20170913T103307_20170913T110457_C001 CS_OFFL_SIR_LRM_2_20170913T11033_20170913T11207_C001 CS_OFFL_SIR_LRM_2_20170913T11033_20170913T11207_C001 CS_OFFL_SIR_LRM_2_20170913T11033_20170913T11207_C001 CS_OFFL_SIR_LRM_2_20170913T11033_20170913T120327_C001 CS_OFFL_SIR_LRM_2_20170913T12031_20170913T12032_C001 CS_OFFL_SIR_LRM_2_20170913T12031_20170913T12032_C001 CS_OFFL_SIR_LRM_2_20170913T12031_20170913T12538_C001 CS_OFFL_SIR_LRM_2_20170913T12032_C001 CS_OFFL_SIR_LRM_2_20170913T12032_C001 CS_OFFL_SIR_LRM_2_20170913T12031_2001 CS_OFFL_SIR_LRM_2_20170913T12032_C001 CS_OFFL_SIR_LRM_2_20170913T140630_20170913T13032_C001 CS_OFFL_SIR_LRM_2_20170913T14449_20170913T1343859_C001 CS_OFFL_SIR_LRM_2_20170913T140630_20170913T13131_C001 CS_OFFL_SIR_LRM_2_20170913T140630_20170913T151311_C001 CS_OFFL_SIR_LRM_2_20170913T153104_20170913T153131_C001 CS_OFFL_SIR_LRM_2_20170913T153104_20170913T153213_C001 CS_OFFL_SIR_LRM_2_20170913T153104_20170913T153213_C001 CS_OFFL_SIR_LRM_2_20170913T154256_20170913T151311_C001 CS_OFFL_SIR_LRM_2_20170913T154256_20170913T153131_C001 CS_OFFL_SIR_LRM_2_20170913T154256_20170913T153151_C001 CS_OFFL_SIR_LRM_2_20170913T154256_20170913T153151_C			'	
Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retr	CS_OFFL_SIR_LRM_220170913T094818_20170913T095408_C001		·	
CS_OFFL_SIR_LRM_2_20170913T103229_20170913T103451_C001 CS_OFFL_SIR_LRM_2_20170913T103507_20170913T103524_C001 CS_OFFL_SIR_LRM_2_20170913T105337_20170913T110457_C001 CS_OFFL_SIR_LRM_2_20170913T11033_20170913T110457_C001 CS_OFFL_SIR_LRM_2_20170913T11033_20170913T110457_C001 CS_OFFL_SIR_LRM_2_20170913T11033_20170913T110457_C001 CS_OFFL_SIR_LRM_2_20170913T11033_20170913T120327_C001 CS_OFFL_SIR_LRM_2_20170913T11033_20170913T120327_C001 CS_OFFL_SIR_LRM_2_20170913T120811_20170913T120327_C001 CS_OFFL_SIR_LRM_2_20170913T120811_20170913T12502_C001 CS_OFFL_SIR_LRM_2_20170913T120811_20170913T125838_C001 CS_OFFL_SIR_LRM_2_20170913T12758_20170913T125838_C001 CS_OFFL_SIR_LRM_2_20170913T131639_20170913T132032_C001 CS_OFFL_SIR_LRM_2_20170913T134449_20170913T134737_C001 CS_OFFL_SIR_LRM_2_20170913T140630_20170913T143859_C001 CS_OFFL_SIR_LRM_2_20170913T1440630_20170913T153111_C001 CS_OFFL_SIR_LRM_2_20170913T140630_20170913T153213_C001 CS_OFFL_SIR_LRM_2_20170913T140630_20170913T153213_C001 CS_OFFL_SIR_LRM_2_20170913T153104_20170913T153213_C001 CS_OFFL_SIR_LRM_2_20170913T153104_20170913T153213_C001 CS_OFFL_SIR_LRM_2_20170913T154256_20170913T161757_C001 CS_OFFL_SIR_LRM_2_20170913T154256_20	CS_OFFL_SIR_LRM_220170913T095826_20170913T102219_C001	Error (Retracker 2)		
Error (Retracker 2) Height Error (Retracker 2) H	CS_OFFL_SIR_LRM_220170913T103229_20170913T103451_C001	(Retracker 3), Backscatter Error		
Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2) and a height error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20170913T11033_20170913T12032T_C001 CS_OFFL_SIR_LRM_2_20170913T120811_20170913T12032T_C001 CS_OFFL_SIR_LRM_2_20170913T120811_20170913T12032T_C001 CS_OFFL_SIR_LRM_2_20170913T120811_20170913T12502_C001 CS_OFFL_SIR_LRM_2_20170913T120811_20170913T125838_C001 CS_OFFL_SIR_LRM_2_20170913T13639_20170913T1326332_C001 CS_OFFL_SIR_LRM_2_20170913T134449_20170913T132032_C001 CS_OFFL_SIR_LRM_2_20170913T134449_20170913T134737_C001 CS_OFFL_SIR_LRM_2_20170913T134449_20170913T134737_C001 CS_OFFL_SIR_LRM_2_20170913T134449_20170913T134737_C001 CS_OFFL_SIR_LRM_2_20170913T134449_20170913T134737_C001 CS_OFFL_SIR_LRM_2_20170913T134449_20170913T134737_C001 CS_OFFL_SIR_LRM_2_20170913T134449_20170913T134737_C001 CS_OFFL_SIR_LRM_2_20170913T134449_20170913T134737_C001 CS_OFFL_SIR_LRM_2_20170913T134449_20170913T134737_C001 CS_OFFL_SIR_LRM_2_20170913T144665_20170913T153213_C001 CS_OFFL_SIR_LRM_2_20170913T14449_20170913T153213_C001 CS_OFFL_SIR_LRM_2_20170913T153104_20170913T153213_C001 CS_OFFL_SIR_LRM_2_20170913T153104_20170913T15321	CS_OFFL_SIR_LRM_220170913T103507_20170913T103524_C001			
Height Error (Retracker 2), Backscatter Error (Retracker 2), Backs	CS_OFFL_SIR_LRM_2_20170913T105337_20170913T110457_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more	
Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2	CS_OFFL_SIR_LRM_220170913T111033_20170913T112107_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more	
Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Err	CS_OFFL_SIR_LRM_2_20170913T113735_20170913T120327_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more	
CS_OFFL_SIR_LRM_2_20170913T1325838_C001 CS_OFFL_SIR_LRM_2_20170913T131639_20170913T132032_C001 CS_OFFL_SIR_LRM_2_20170913T131639_20170913T134449_20170913T134737_C001 CS_OFFL_SIR_LRM_2_20170913T134449_20170913T134737_C001 CS_OFFL_SIR_LRM_2_20170913T140630_20170913T143859_C001 CS_OFFL_SIR_LRM_2_20170913T145655_20170913T151311_C001 CS_OFFL_SIR_LRM_2_20170913T145655_20170913T153213_C001 CS_OFFL_SIR_LRM_2_20170913T153104_20170913T153213_C001 CS_OFFL_SIR_LRM_2_20170913T153104_20170913T153213_C001 CS_OFFL_SIR_LRM_2_20170913T153104_20170913T153213_C001 CS_OFFL_SIR_LRM_2_20170913T154256_20170913T161757_C001 CS_OFFL_SIR_LRM_2_20170913T154256_20170913T161757_C001 CS_OFFL_SIR_LRM_2_20170913T154256_20170913T161757_C001 CS_OFFL_SIR_LRM_2_20170913T154256_20170913T161757_C001 CS_OFFL_SIR_LRM_2_30170913T154256_20170913T161757_C001 CS_OFFL_SIR_LRM_2_30170913T154256_20170913T161757_C001 CS_OFFL_SIR_LRM_2_30170913T154256_20170913T161757_C001 CS_OFFL_SIR_LRM_2_30170913T154256_20170913T161757_C001 CS_OFFL_SIR_LRM_2_30170913T154256_20170913T161757_C001 CS_OFFL_SIR_LRM_2_30170913T154256_20170913T161757_C001 CS_OFFL_SIR_LRM_2_30170913T154256_20170913T161757_C001 CS_OFFL_SIR_LRM_2_30170913T154256_20170913T161757_C001 CS_OFFL_SIR_LRM_2_30170913T154256_30170913T161757_C001 CS_OFFL_SIR_LRM_2_30170913T15	CS_OFFL_SIR_LRM_220170913T120811_20170913T121502_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error	
CS_OFFL_SIR_LRM_2_20170913T131639_20170913T132032_C001 Height Error (Retracker 2), Backscatter Err	CS_OFFL_SIR_LRM_220170913T122758_20170913T125838_C001	Height Error (Retracker 2), Backscatter		
CS_OFFL_SIR_LRM_2_20170913T134449_20170913T134737_C001 Height Error (Retracker 2), Backscatter Err	CS_OFFL_SIR_LRM_2_20170913T131639_20170913T132032_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more	
CS_OFFL_SIR_LRM_2_20170913T140630_20170913T143859_C001 CS_OFFL_SIR_LRM_2_20170913T145655_20170913T151311_C001 CS_OFFL_SIR_LRM_2_20170913T153104_20170913T153213_C001 CS_OFFL_SIR_LRM_2_20170913T153104_20170913T153213_C001 CS_OFFL_SIR_LRM_2_20170913T153104_20170913T161757_C001 Height Error (Retracker 2), Backscatter Error (Ret	CS_OFFL_SIR_LRM_220170913T134449_20170913T134737_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more	
CS_OFFL_SIR_LRM_2_20170913T145655_20170913T151311_C001 Height Error (Retracker 2), Backscatter Err	CS_OFFL_SIR_LRM_220170913T140630_20170913T143859_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more	
CS_OFFL_SIR_LRM_2_20170913T153104_20170913T153213_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backsca	CS_OFFL_SIR_LRM_220170913T145655_20170913T151311_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more	
CS_OFFL_SIR_LRM_2_20170913T154256_20170913T161757_C001 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3) Backscatter Error (Retracker 3) For one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records	CS_OFFL_SIR_LRM_220170913T153104_20170913T153213_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more	
	CS_OFFL_SIR_LRM_220170913T154256_20170913T161757_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error	
	CS_OFFL_SIR_LRM_220170913T162630_20170913T163030_C001		No DEM or Slope Model was used for the location of one or more records	

CS_OFFL_SIR_LRM_220170913T163546_20170913T170116_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_220170913T170133_20170913T170929_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_220170913T172125_20170913T173547_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_220170913T174028_20170913T175715_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_220170913T181616_20170913T182848_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_220170913T183102_20170913T185023_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_220170913T191019_20170913T191950_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_220170913T192227_20170913T193611_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_220170913T201219_20170913T201438_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_220170913T201601_20170913T201950_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_220170913T202007_20170913T202312_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_220170913T202435_20170913T202652_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_220170913T205932_20170913T211455_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_220170913T212400_20170913T212536_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170913T213116_20170913T220432_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_220170913T221756_20170913T222016_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_220170913T222953_20170913T225359_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_220170913T230259_20170913T230624_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220170913T231006_20170913T232054_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_220170913T232629_20170913T234131_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220170913T235801_20170914T000423_C001	(Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_SIN_2_20170913T012714_20170913T012828_C001	Error (Retracker 2) SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170913T013407_20170913T013518_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170913T013609_20170913T013725_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170913T022518_20170913T022539_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 _20170913T022554_20170913T022610_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_220170913T030626_20170913T030752_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_20170913T031302_20170913T031610_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170913T044709_20170913T044958_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170913T045205_20170913T045730_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_20170913T054256_20170913T054721_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170913T062639_20170913T062914_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170913T063114_20170913T063230_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170913T063616_20170913T063757_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170913T072155_20170913T072306_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170913T072428_20170913T072635_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170913T080352_20170913T080727_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170913T081517_20170913T081704_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170913T090114_20170913T090339_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_220170913T090346_20170913T090556_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_220170913T094400_20170913T094550_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_20170913T094803_20170913T094818_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170913T095409_20170913T095629_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170913T112333_20170913T112513_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170913T112628_20170913T112800_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS OFFL SIR SIN 2 20170913T113225 20170913T113513 C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220170913T130332_20170913T130710_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20170913T131248_20170913T131403_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
		records

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CS_OFFL_SIR_SIN_220170913T135400_20170913T135422_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_220170913T135425_20170913T135430_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_220170913T144255_20170913T144614_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170913T145127_20170913T145252_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170913T153342_20170913T153448_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170913T162008_20170913T162346_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170913T163032_20170913T163139_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170913T170929_20170913T171052_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170913T171252_20170913T171405_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170913T175814_20170913T175952_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170913T180734_20170913T180922_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170913T185024_20170913T185319_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_220170913T193732_20170913T193917_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170913T194441_20170913T194447_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170913T194603_20170913T195212_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170913T202746_20170913T203202_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_220170913T211639_20170913T211909_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170913T212339_20170913T212345_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170913T212536_20170913T212848_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170913T225617_20170913T225732_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170913T230240_20170913T230243_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170913T230624_20170913T230741_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20170913T235622_20170913T235707_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	139	139	139	0	0
SIR_LRM_2	138	138	138	0	0
SIR_LRMI2_	138	138	138	0	0
SIR_SAR_1B	89	89	89	0	0
SIR_SAR_2	89	89	89	0	0
SIR_SARI2_	89	89	89	0	0
SIR_SIN_1B	107	107	107	0	0
SIR_SIN_2	107	107	107	0	0
SIR_SINI2	107	107	107	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

6.2 Missing QCC Reports

Number of products with missing QCC reports:

182

0

0