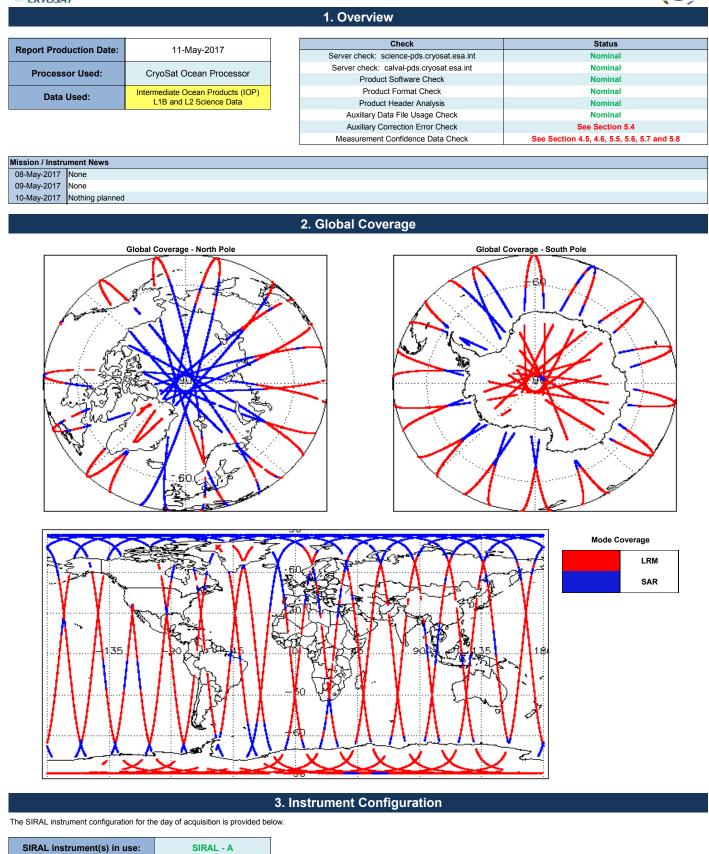


IDEAS+ Daily Report for IOP data:

09/05/2017





4. IOP 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 binary product file (.DBL).

Number of products with errors:

4.2 L1B Product Header Analysis

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

4.3 L1B Auxilary Data File Usage Check					
Each product is checked for missing Data Set Descriptors with respect to a pre-de	etermined baseline and also to check the va	alidity of Auxiliary Data Files is correct.			
Number of products with errors: 0					
4.4 L1B Auxiliary Correction Error Check					
CryoSat L1B data includes a correction error flag (field 60) for each measurement	record. The bit value of this flag indicates	any problems when set.			
Number of products with errors: 0					
4.5 L1B Measurement Confidence Data Check					
CryoSat L1B data includes a measurement confidence flag (field 12) for each mea	asurement record. The bit value of this flag	indicates any problems when set.			
Number of products with errors: 1					
Product Test Failed Description					
CS_OFFL_SIR_IOP_1B_20170509T020529_20170509T021716_B001 Power scaling error There is an error in the scaling of the L1B waveform for one or more records					
4.6 L1B Waveform Group Data Check					

CryoSat L1B data includes a waveform data flag (field 65) for each measurement record. The bit value of this flag indicates any problems when set.

Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_1B_20170509T050323_20170509T050447_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_20170509T080106_20170509T080355_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_20170509T100245_20170509T103554_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_20170509T103554_20170509T103819_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_20170509T103931_20170509T105047_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_20170509T133905_20170509T134827_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_20170509T140820_20170509T141008_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_20170509T141534_20170509T142624_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_20170509T181925_20170509T184803_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_20170509T185719_20170509T190710_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_20170509T204938_20170509T205846_B001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP 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 binary product file (.DBL). Number of products with errors:
0

5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

5.3 L2 Auxiliary Data File Usage Check

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

Wind Model File Usage: This file is currently not included in all L2 products.

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).

0

Currently, there are two common auxiliary correction errors raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

Sea State Bias Error: The error value is currently set for products over land and sea ice, but this is to be expected.

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Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220170509T001134_20170509T002402_B001	Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220170509T005427_20170509T005548_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220170509T011659_20170509T013156_B001	Lotal Geocentric Ocean Lide (EES)	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) for one or more records
CS_OFFL_SIR_IOP_220170509T021717_20170509T021809_B001		There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_220170509T022730_20170509T023427_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220170509T042539_20170509T045010_B001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_IOP_220170509T055444_20170509T063027_B001	For Four Period Ocean Tide (FES), Non-	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records

CS_OFFL_SIR_IOP_220170509T073257_20170509T073509_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220170509T074143_20170509T074425_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220170509T085709_20170509T090852_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220170509T091456_20170509T091646_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220170509T100245_20170509T103554_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220170509T103554_20170509T103819_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220170509T132150_20170509T133705_B001	Total Geocentric Ocean Tide (FES)	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) for one or more records
CS_OFFL_SIR_IOP_220170509T133905_20170509T134827_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220170509T155000_20170509T155255_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220170509T171600_20170509T171802_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_2_20170509T210130_20170509T212342_B001	Total Geocentric Ocean Tide (FES)	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) for one or more records
CS_OFFL_SIR_IOP_220170509T220709_20170509T221557_B001	Total Geocentric Ocean Tide (FES)	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) for one or more records
CS_OFFL_SIR_IOP_220170509T235738_20170510T000454_B001	Dry Tropospheric correction, Wet Tropospheric correction, Inverse Barometric correction, U-wind and V- wind components of the model wind vector	There is an error with the Meteo corrections for one or more records

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag (field 14) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors: 1

Product	Test Failed	Description	
CS_OFFL_SIR_IOP_220170509T020529_20170509T021716_B001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records	

5.6 L2 Range Measurement Check

CryoSat L2 data includes an Ocean (field 25) and Ice (field 30) Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are two common status flags raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

Ocean Range Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 38

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220170509T000027_20170509T000033_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T000033_20170509T000040_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T000040_20170509T000046_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T000046_20170509T000307_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T004613_20170509T004727_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T013429_20170509T013924_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T013924_20170509T013931_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T013931_20170509T013938_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T013944_20170509T013956_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T014003_20170509T014122_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T031358_20170509T031838_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T031838_20170509T031842_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T031916_20170509T032030_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T045410_20170509T045751_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T045759_20170509T045808_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T045814_20170509T050140_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T063210_20170509T063705_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T063712_20170509T064042_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T081208_20170509T081736_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T095130_20170509T095633_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOP_220170509T113344_20170509T113537_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T122745_20170509T123026_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T131240_20170509T131448_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T131538_20170509T131951_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T140643_20170509T140728_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T145035_20170509T145852_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T162928_20170509T163129_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T163211_20170509T163719_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T180852_20170509T180938_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T181135_20170509T181738_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T195043_20170509T195608_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T213047_20170509T213051_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T213051_20170509T213459_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T230454_20170509T230944_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T230944_20170509T230950_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T230950_20170509T230957_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T230958_20170509T231004_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170509T231005_20170509T231336_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

5.7 L2 SWH and Backscatter Measurement Check

CryoSat L2 data includes a SWH Averaging Status flag (field 49) and an Ocean (field 55) and Ice (field 61) Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are three common status flags raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

SWH Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 27

Number of products with errors:

CS_OFFL_SIR_UOP011000010002/_001100007_0001 toe Backscatter Averaging Status The Loe Backscatter Averaging Status CS_OFFL_SIR_UOP011000010002/_0011 toe Backscatter Averaging Status The Loe Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_UOP011000010002/_0011 toe Backscatter Averaging Status The Loe Backscatter Averaging Status CS_OFFL_SIR_UOP011000010002/_0011 toe Backscatter Averaging Status The Loe Backscatter Averaging Status CS_OFFL_SIR_UOP0110000100002/_001142_0001 toe Backscatter Averaging Status The Loe Backscatter Averaging Status CS_OFFL_SIR_UOP021017050010131916_201705001002030_0001 toe Backscatter Averaging Status The Loe Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_UOP_2_01705001045110_201705001045751_0001 toe Backscatter Averaging Status The Loe Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_UOP_2_01705001045112_0170500105106408_001 toe Backscatter Averaging Status The Loe Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_UOP_2_0170500103102_01705001053706_001 toe Backscatter Averaging Status The Loe Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_UOP_2_0170500103102_01705001053706_001 toe Backscatter Averaging Status The Loe Backscatter Averaging Status The Loe Backscatter Averaging Status	Product	Test Failed	Description
CS_OFFL_SIR_JOP_2_20170509T0400005_20170509T0400000_2001 toe Backscatter Averaging Status The Leadscatter Averaging Status Status The Leadscatter Averaging Status The Lead	CS_OFFL_SIR_IOP_220170509T000027_20170509T000033_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
Cis_UFFL_SIR_IOP_2_20170509T04003_0170509T04003_D10000F_2001 Ice Backscatter Averaging Status The loce Backscatter Averaging Status CS_OFFL_SIR_IOP_2_20170509T01403_0170509T014122_B001 Ice Backscatter Averaging Status The loce Backscatter Averaging Status CS_OFFL_SIR_IOP_2_20170509T031916_0170509T031942_B001 Ice Backscatter Averaging Status The loce Backscatter Averaging Status CS_OFFL_SIR_IOP_2_20170509T031916_0170509T03703_0001 Ice Backscatter Averaging Status The loce Backscatter Averaging Status CS_OFFL_SIR_IOP_2_20170509T045410_20170509T045751_B001 Ice Backscatter Averaging Status The loce Backscatter Averaging Status CS_OFFL_SIR_IOP_2_20170509T045769_0170509T04576_B001 Ice Backscatter Averaging Status The loce Backscatter Averaging Status CS_OFFL_SIR_IOP_2_20170509T063712_0170509T06400_B001 Ice Backscatter Averaging Status The loce Backscatter Averaging Status CS_OFFL_SIR_IOP_2_20170509T063712_0170509T064042_B001 Ice Backscatter Averaging Status The loce Backscatter Averaging Status CS_OFFL_SIR_IOP_2_20170509T06130_20170509T064738_B001 Ice Backscatter Averaging Status The loce Backscatter Averaging Status CS_OFFL_SIR_IOP_2_20170509T081208_20170509T081738_B001 Ice Backscatter Averaging Status The loce Backscatter Averaging Status CS_OFFL_SIR_IOP_2_20170509T13274_20170509T13274_B001 <t< td=""><td>CS_OFFL_SIR_IOP_220170509T000033_20170509T000040_B001</td><td>Ice Backscatter Averaging Status</td><td></td></t<>	CS_OFFL_SIR_IOP_220170509T000033_20170509T000040_B001	Ice Backscatter Averaging Status	
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Cic_OFFL_SIR_IOP_2_20170509T031916_20170509T032030_B001 Lee Backscatter Averaging Status records. CS_OFFL_SIR_IOP_2_20170509T045410_20170509T0450751_B001 Lee Backscatter Averaging Status The Lee Backscatter Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20170509T045410_20170509T04508_B001 Lee Backscatter Averaging Status The Lee Backscatter Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20170509T045614_20170509T050140_B001 Lee Backscatter Averaging Status The Lee Backscatter Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20170509T063712_20170509T063705_B001 Lee Backscatter Averaging Status The Lee Backscatter Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20170509T063702_00170509T063705_B001 Lee Backscatter Averaging Status The Lee Backscatter Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20170509T063703_20170509T08533_B001 Lee Backscatter Averaging Status The Lee Backscatter Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20170509T013020_20170509T03503_B001 Lee Backscatter Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20170509T13020_B001113334_20170509T13344_20170509T1337_B001 Lee Backscatter Averaging Status Flag has been set for one or more records. CS_O	CS_OFFL_SIR_IOP_220170509T014003_20170509T014122_B001	Ice Backscatter Averaging Status	
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	CS_OFFL_SIR_IOP_220170509T195043_20170509T195608_B001	Ice Backscatter Averaging Status	
	CS_OFFL_SIR_IOP_220170509T213051_20170509T213459_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOP_2_20170509T230454_20170509T230944_B001 Ice Backscatter Averaging Status The loe Backscatter Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20170509T231005_20170509T231336_B001 Ice Backscatter Averaging Status The loe Backscatter Averaging Status Flag has been set for one or more records. 5.8 L2 Ocean Retracking Quality Check CryoSat L2 data includes an ocean retracking quality flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below. Number of products with errors: 147	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.					
CS_OFFL_SIR_IOP_2_20170509T231005_20170509T231336_B001 Ice Backscatter Averaging Status records. CS_OFFL_SIR_IOP_2_20170509T231005_20170509T231336_B001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more records. 5.8 L2 Ocean Retracking Quality Check CryoSat L2 data includes an ocean retracking quality flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.						
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CS_OFFL_SIR_IOP_2_20170509T231005_20170509T231336_B001 ICE Backscatter Averaging Status records. The Ice Backscatter Averaging Status records.						
CS_OFFL_SIR_IOP_2_201705091230454_201705091230944_B001 ICE Backscatter Averaging Status records. The Ice Backscatter Averaging Status Flag has been set for one or more	5.8 L2 Ocean Retracki	ng Quality Check				
CS_OFFL_SIR_IOP_2_201705091230454_201705091230944_B001 ICE Backscatter Averaging Status records. The Ice Backscatter Averaging Status Flag has been set for one or more						
US UFFL SIR IUP Z ZU1705091Z30454 ZU1705091Z30944 B001 IICE Backscatter Averaging Status	CS_OFFL_SIR_IOP_2_201705	09T231005_20170509T231336_I	B001 Ice Backsca	tter Averaging Status	00	ag has been set for one or more
	CS_OFFL_SIR_IOP_2_201705	09T230454_20170509T230944_I	B001 Ice Backsca	tter Averading Status		ag has been set for one or more

Product type	ND. Products	ND. QCC Reports	ND. Valid	ND. Warnings	ND. Errors
SIR_IOP_1B	265	265	265	0	0
SIR_IOP_2	262	262	262	0	0
6.1 QCC Errors					
Number of QCC reports with er	rrors: 0				
6.2 QCC Warnings					
Number of QCC reports with warnings					
6.3 Missing QCC Reports					
Number of products with missing QCC reports:					