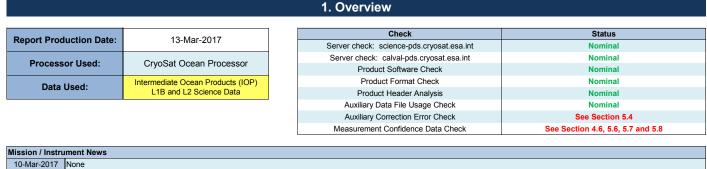


IDEAS+ Daily Report for IOP data:

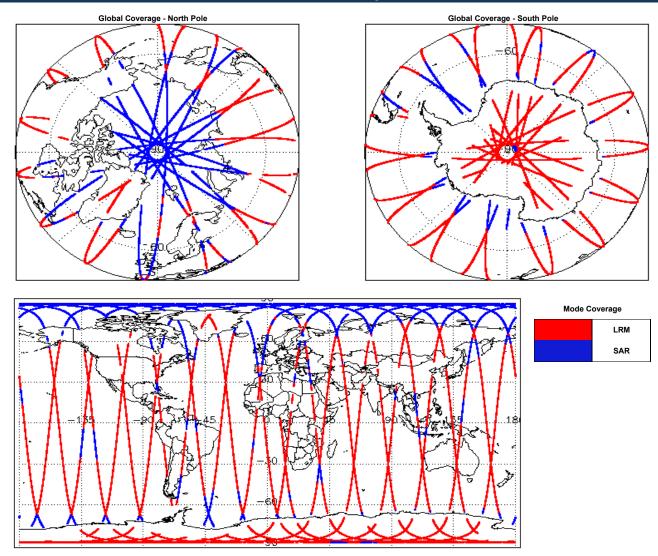
<u>11/03/2017</u>



11-Mar-2017 None

12-Mar-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

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.

Each product is checked for missing Data Set Descriptors with respect to a pr	re determined becaling and also to the state	alidity of Auvilian Data Filos is sorrect
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 measurer	ment 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	n measurement record. The bit value of this flag	indicates any problems when set.
Number of products with errors: 0		
4.6.1.4. Wayoform Group Data Chaok		
4.6 L1B Waveform Group Data Check		
CryoSat L1B data includes a waveform data flag (field 65) for each measuren	-	any problems when set.
Loss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 7	s to be expected.	
	Test Failed	Description
CS_OFFL_SIR_IOP_1B_20170311T005938_20170311T010834_B001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_201703111041905_201703111042418_6001	Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_201703111042916_201703111043006_6001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_20170311T143207_20170311T143257_B001	Loss of Echo	The tracking echo is missing for one or more records
	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_20170311T223951_20170311T224740_B001	Loss of Echo	The tracking echo is missing for one or more records
5. 1	OP Level 2 Data Quality Ch	eck
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		
	ad SDL in order to identify any inconsistencies	and/or arran raised by the ground extrement processing chain
5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH ar Number of products with errors:	nd SPH in order to identify any inconsistencies a	and/or errors raised by the ground-segment processing chain.
For all products, a series of pre-defined checks are performed on the MPH ar Number of products with errors: 0	nd SPH in order to identify any inconsistencies a	and/or errors raised by the ground-segment processing chain.
For all products, a series of pre-defined checks are performed on the MPH ar	nd SPH in order to identify any inconsistencies a	and/or errors raised by the ground-segment processing chain.
For all products, a series of pre-defined checks are performed on the MPH ar Number of products with errors: 0		
For all products, a series of pre-defined checks are performed on the MPH ar Number of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check	re-determined baseline and also to check the va	
For all products, a series of pre-defined checks are performed on the MPH ar 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 pr	re-determined baseline and also to check the va	
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For all products, a series of pre-defined checks are performed on the MPH ar 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 pr Wind Model File Usage: This file is currently not included in all L2 products. Number of products with errors: 0 5.4 L2 Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are ch Currently, there are two common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise for Sea State Bias Error: The error value is currently set for products over land a	re-determined baseline and also to check the van hecked for the default error value (32767). e Level 2 products which are expected due to rom this test. and sea ice, but this is to be expected.	alidity of Auxiliary Data Files is correct.
For all products, a series of pre-defined checks are performed on the MPH ar 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 pr Wind Model File Usage: This file is currently not included in all L2 products. Number of products with errors: 0 5.4 L2 Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are ch Currently, there are two common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise for Sea State Bias Error: The error value is currently set for products over land a Mitmetric Wind Speed Error: The error value is currently set for products over Sea State Bias Error: The error value is currently set for products over Sea State Bias Error: The error value is currently set for products over Sea State Bias Error: The error value is currently set for products over Sea State Bias Error: The error value is currently set for products over Sea State Bias Error: The error value is currently set for products over Sea State Bias Error: The error value is currently set for products over Sea State Bias Error: The error value is currently set for products over Sea State Bias Error: The error value is currently set for products over Sea State Bias Error: The error value is currently set for products over Sea State Bias Error: The error value is currently set for products over Sea State Bias Error: The error value is currently set for products over Sea State Bias Error: The error value is currently set for products over Sea State Bias Error: Sea State Bias Error: The error value is currently set for products over Sea State Bias Error: Sea State Bias Error: Sea State Bias Error: The error value is currently set for products over Sea State Bias Error: Sea State	re-determined baseline and also to check the van hecked for the default error value (32767). e Level 2 products which are expected due to rom this test. and sea ice, but this is to be expected.	alidity of Auxiliary Data Files is correct.
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For all products, a series of pre-defined checks are performed on the MPH ar 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 pr Wind Model File Usage: This file is currently not included in all L2 products. Number of products with errors: 0 5.4 L2 Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are ch Currently, there are two common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise for Sea State Bias Error: The error value is currently set for products over land a Altimetric Wind Speed Error: The error value is currently set for products over Number of products with errors: 16 Product CS_OFFL_SIR_IOP_2_20170311T041905_20170311T042418_B001 CS_OFFL_SIR_IOP_2_20170311T044629_20170311T045653_B001 CS_OFFL_SIR_IOP_2_20170311T044629_20170311T045653_B001 CS_OFFL_SIR_IOP_2_20170311T054616_20170311T055041_B001 CS_OFFL_SIR_IOP_2_20170311T061319_20170311T061414_B001 CS_OFFL_SIR_IOP_2_20170311T10233_20170311T11204_B001 CS_OFFL_SIR_IOP_2_20170311T110233_20170311T111204_B001 CS_OFFL_SIR_IOP_2_20170311T110233_20170311T111204_B001	re-determined baseline and also to check the value (32767). e Level 2 products which are expected due to a service of the ser	alidity of Auxiliary Data Files is correct.
For all products, a series of pre-defined checks are performed on the MPH ar 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 pr Wind Model File Usage: This file is currently not included in all L2 products. Number of products with errors: 0 5.4 L2 Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are of Currently, there are two common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise for Sea State Bias Error: The error value is currently set for products over land a Altimetric Wind Speed Error: The error value is currently set for products or Number of products with errors: 16 Product CS_OFFL_SIR_IOP_2_20170311T041905_20170311T042418_B001 CS_OFFL_SIR_IOP_2_20170311T042918_20170311T043608_B001 CS_OFFL_SIR_IOP_2_20170311T044629_20170311T045653_B001 CS_OFFL_SIR_IOP_2_20170311T054616_20170311T055041_B001 CS_OFFL_SIR_IOP_2_20170311T061319_20170311T061414_B001 CS_OFFL_SIR_IOP_2_20170311T10233_20170311T111204_B001 CS_OFFL_SIR_IOP_2_20170311T10233_20170311T111204_B001 CS_OFFL_SIR_IOP_2_20170311T1112033_20170311T111204_B001 CS_OFFL_SIR_IOP_2_20170311T1112033_20170311T111204_B001	re-determined baseline and also to check the value (32767). e Level 2 products which are expected due to a service and and sea ice, but this is to be expected. wer land and sea ice, but this is to be expected. Total Geocentric Ocean Tide (FES), Nore Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Nore Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Nore Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Nore Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Nore Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Nore Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Nore Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Nore Equilibrium Long Period Ocean Tide Geoid Height Total Geocentric Ocean Tide (GOT),	alidity of Auxiliary Data Files is correct.
For all products, a series of pre-defined checks are performed on the MPH ar 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 pr Wind Model File Usage: This file is currently not included in all L2 products. Number of products with errors: 0 5.4 L2 Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are ch Currently, there are two common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise for Sea State Bias Error: The error value is currently set for products over land a Altimetric Wind Speed Error: The error value is currently set for products over Number of products with errors: 16 Product CS_OFFL_SIR_IOP_2_20170311T041905_20170311T042418_B001 CS_OFFL_SIR_IOP_2_20170311T042918_20170311T043608_B001	re-determined baseline and also to check the value (32767). e Level 2 products which are expected due to from this test. and sea ice, but this is to be expected. ver land and sea ice, but this is to be expected. ver land and sea ice, but this is to be expected. Ver land and sea ice, but this is to be expected. Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Geoid Height	alidity of Auxiliary Data Files is correct.

CS_OFFL_SIR_IOP_220170311T160034_20170311T160705_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_220170311T172139_20170311T172605_B001		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_220170311T180137_20170311T180258_B001	Fauilibrium 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_220170311T180421_20170311T180717_B001		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_220170311T205609_20170311T210631_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_220170311T234301_20170311T235747_B001		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

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: 0

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. 31

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220170311T002320_20170311T002728_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T015739_20170311T020214_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T020214_20170311T020220_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20170311T020227_20170311T020233_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T020233_20170311T020619_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20170311T033555_20170311T034112_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T034125_20170311T034131_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T034131_20170311T034143_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T034147_20170311T034324_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T051521_20170311T052023_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T052023_20170311T052029_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T052030_20170311T052041_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T052100_20170311T052201_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T065549_20170311T065939_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T065946_20170311T065954_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T070001_20170311T070235_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T083332_20170311T083853_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T083900_20170311T084225_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T093126_20170311T093318_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T101333_20170311T102130_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T115305_20170311T115819_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T133443_20170311T133720_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T151432_20170311T151627_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T151833_20170311T152132_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T160822_20170311T161110_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T165307_20170311T165546_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T165604_20170311T170032_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T183057_20170311T183941_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T201026_20170311T201200_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T201312_20170311T201734_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T233131_20170311T233644_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

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. 24

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220170311T002320_20170311T002728_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T015739_20170311T020214_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T020233_20170311T020619_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T033555_20170311T034112_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T034125_20170311T034131_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T034147_20170311T034324_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T052100_20170311T052201_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T065549_20170311T065939_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T070001_20170311T070235_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T083332_20170311T083853_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T083900_20170311T084225_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T093126_20170311T093318_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T101333_20170311T102130_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T115305_20170311T115819_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T133443_20170311T133720_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T151432_20170311T151627_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T151833_20170311T152132_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T160822_20170311T161110_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T165307_20170311T165546_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T165604_20170311T170032_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T183057_20170311T183941_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20170311T201026_20170311T201200_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T201312_20170311T201734_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170311T233131_20170311T233644_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.

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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:

6. IOP 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_IOP_1B	246	246	246	0	0
SIR_IOP_2	242	242	242	0	0
6.1 QCC Errors					
Number of QCC reports with errors:	: 0				
6.2 QCC Warnings					
Number of QCC reports with warnin	ngs 0				
6.3 Missing QCC Reports					
Number of products with missing Q	CC reports: 0				