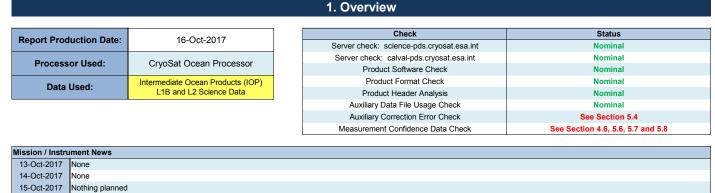


# IDEAS+ Daily Report for IOP data:

# <u>14/10/2017</u>



2. Glob	al Coverage
Global Coverage - North Pole	Global Coverage - South Pole
	Mode Coverage LRM SAR

## 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: 0

#### .

### 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.

0

4.3 L1B Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pr	e-determined baseline and also to check the va	lidity 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 measuren	nent record. The bit value of this flag indicates a	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	measurement record. The bit value of this flag	indicates any problems when set
Number of products with errors: 0		nucleos any problems when set.
4.6.1.4.B. Wayafarm Crown Data Chaok		
4.6 L1B Waveform Group Data Check	and an and The lateral of this flow indicates a	
CryoSat L1B data includes a waveform data flag (field 65) for each measurem Loss of Echo Flag: This flag is currently set for products over land, but this is	-	ny problems when set.
Jumber of products with errors: 9		
Product	Test Failed	Description
CS_OFFL_SIR_IOP_1B_20171014T051119_20171014T052601_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_IOP_1B_20171014T052803_20171014T053725_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_20171014T054755_20171014T055426_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_IOP_1B_20171014T063242_20171014T063447_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_20171014T072728_20171014T073343_B001	Loss of Echo 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_20171014T135349_20171014T135422_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_20171014T135602_20171014T140333_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOP_1B_20171014T190430_20171014T191139_B001	Loss of Echo	The tracking echo is missing for one or more records
5.10	OP Level 2 Data Quality Che	ack
	or Level 2 Data Quality One	
5.1 L2 Product Format Check		
ach product, retrieved and unpacked from the science server, is checked to	ensure it consists of both an XML header file (.h	HDR) and a binary product file (.DBL).
Number of products with errors: 0		
5.2 L2 Product Header Analysis	d SDU in order to identify any incorpiotensian o	od/or errors reject by the ground company processing choic
5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an	d SPH in order to identify any inconsistencies a	nd/or errors raised by the ground-segment processing chain.
5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors:         0	d SPH in order to identify any inconsistencies a	nd/or errors raised by the ground-segment processing chain.
5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH an         Number of products with errors:       0         5.3 L2 Auxiliary Data File Usage Check		
5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an 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		
5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an 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 Nind Model File Usage: This file is currently not included in all L2 products.		
5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH an 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 proving Model File Usage: This file is currently not included in all L2 products.         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 an 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		
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5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH an 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	e-determined baseline and also to check the va ecked for the default error value (32767). b Level 2 products which are expected due to om this test.	lidity of Auxiliary Data Files is correct.
5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an 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 che 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	e-determined baseline and also to check the va ecked 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.	lidity of Auxiliary Data Files is correct.
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5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH and 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 provided 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 check         Currently, there are two common auxiliary correction errors raised in the collowed 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 futimetric Wind Speed Error: The error value is currently set for products over land a futimetric Wind Speed Error: The error value is currently set for products over land a futimetric Wind Speed Error: The error value is currently set for products over land a futimetric Wind Speed Error: The error value is currently set for products over land a futimetric Wind Speed Error: The error value is currently set for products over land a futimetric Wind Speed Error: The error value is currently set for products over land a futimetric Wind Speed Error: The error value is currently set for products over land a futimetric Wind Speed Error: The error value is currently set for products over land a futimetric Wind Speed Error: The error value is currently set for products over land a futimetric Wind Speed Error: The error value is currently set for products over land a futimetric Wind Speed Error: The error value is currently set for products over land a futimetric Wind Speed Error is the error value is c	e-determined baseline and also to check the va ecked 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.	lidity of Auxiliary Data Files is correct.
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5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH an Aumber 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 provide the 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 checked by a table highlighting any additional issues which may arise for Bas State Bias Error: The error value is currently set for products over land a Autimetric Wind Speed Error: The error value is currently set for products over land a Stimetric Wind Speed Error: The error value is currently set for products over land a Stimetric Wind Speed Error: The error value is currently set for products over land a Stimetric Wind Speed Error: The error value is currently set for products over land a Stimetric Wind Speed Error: The error value is currently set for products over land a Stimetric Wind Speed Error: The error value is currently set for products over land a Stimetric Wind Speed Error: The error value is currently set for products over land a Stimetric Wind Speed Error: The error value is currently set for products over land a Stimetric Wind Speed Error: The error value is currently set for products over land a Stimetric Wind Speed Error: The error value is currently set for products over land a Stimetric Wind Speed Error: The error value is currently set for products over land a Stimetric Wind Speed Error: The error value is currently set for products over land a Stimetric Wind Speed Error: The error value is currently set for products over land a Stimetr	e-determined baseline and also to check the value ecked for the default error value (32767). E Level 2 products which are expected due to form this test. and sea ice, but this is to be expected. ter land and sea ice, but this is to be expected.	lidity of Auxiliary Data Files is correct.
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5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH and Aumber 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 provide the 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 checked 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 fultimetric Wind Speed Error: The error value is currently set for products over land a fultimetric Wind Speed Error: The error value is currently set for products over land a fultimetric Wind Speed Error: The error value is currently set for products over land a fultimetric Wind Speed Error: The error value is currently set for products over land a fultimetric Wind Speed Error: The error value is currently set for products over land a fultimetric Sing_IOP_2_20171014T015229_20171014T022810_B001         CS_OFFL_SIR_IOP_2_20171014T025524_20171014T031301_B001         CS_OFFL_SIR_IOP_2_20171014T033212_20171014T035111_B001	e-determined baseline and also to check the value ecked for the default error value (32767). b Level 2 products which are expected due to form this test. and sea ice, but this is to be expected. er land and sea ice, but this is to be expected. Test Failed Mean Sea Surface (1) Total Geocentric Ocean Tide (FES) Total Geocentric Ocean Tide (FES), Non	Iidity of Auxiliary Data Files is correct.         Description         There is an error with the MSS height (solution 1) for one or more records         There is an error with the Total Geocentric Ocean Tide height (solution 2)         FES) for one or more records         There is an error with the Total Geocentric Ocean Tide height (solution 2)         FES) and the Non-equilibrium Long Period Ocean Tide height (solution 2)         There is an error with the Total Geocentric Ocean Tide height (solution 2)         FES) and the Non-equilibrium Long Period Ocean Tide height (solution 2)         There is an error with the Total Geocentric Ocean Tide height (solution 2)         FES) and the Non-equilibrium Long Period Ocean Tide height (solution 2)         There is an error with the Total Geocentric Ocean Tide height (solution 2)         FES) and the Non-equilibrium Long Period Ocean Tide height (solution 2)         There is an error with the Total Geocentric Ocean Tide height (solution 2)         There is an error with the Total Geocentric Ocean Tide height (solution 2)         There is an error with the Total Geocentric Ocean Tide height (solution 2)         There is an error with the Total Geocentric Ocean Tide height (solution 2)         There is an error with the Total Geocentric Ocean Tide height (solution 2)         There is an error with the Total Geocentric Ocean Tide height (solution 2)         There is an error with the Total Geocentric Ocean Tide height (solution 2) <tr< td=""></tr<>
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5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH an 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 pro 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 che 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 Autimetric Wind Speed Error: The error value is currently set for products over land a Cumber of products with errors:         17         Product         CS_OFFL_SIR_IOP_2_20171014T015229_20171014T022810_B001         CS_OFFL_SIR_IOP_2_20171014T033212_20171014T033111_B001         CS_OFFL_SIR_IOP_2_20171014T040811_20171014T040923_B001         CS_OFFL_SIR_IOP_2_20171014T040811_20171014T040923_B001	e-determined baseline and also to check the value ecked for the default error value (32767). b Level 2 products which are expected due to om this test. and sea ice, but this is to be expected. rer land and sea ice, but this is to be expected. Test Failed Mean Sea Surface (1) Total Geocentric Ocean Tide (FES) Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Equilibrium Long Period Ocean Tide Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide	Idity of Auxiliary Data Files is correct.
5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH an Aumber 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 provind 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 che Currently, there are two common auxiliary correction errors raised in the Gololowed 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 Autometric Wind Speed Error: The error value is currently set for products over land a Autometrof products with errors:         17       Product         CS_OFFL_SIR_IOP_2_20171014T015229_20171014T022810_B001         CS_OFFL_SIR_IOP_2_20171014T025524_20171014T031301_B001         CS_OFFL_SIR_IOP_2_20171014T040811_20171014T040923_B001         CS_OFFL_SIR_IOP_2_20171014T043950_20171014T045337_B001         CS_OFFL_SIR_IOP_2_20171014T043950_20171014T045337_B001         CS_OFFL_SIR_IOP_2_20171014T052803_20171014T053725_B001	e-determined baseline and also to check the value ecked for the default error value (32767). <b>a</b> Level 2 products which are expected due to form this test. and sea ice, but this is to be expected. Test Failed Mean Sea Surface (1) Total Geocentric Ocean Tide (FES) Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non	Idity of Auxiliary Data Files is correct.         Description         There is an error with the MSS height (solution 1) for one or more records         There is an error with the Total Geocentric Ocean Tide height (solution 2)         FES) for one or more records         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         There is an error with the Total Geocentric Ocean Tide height for one or more records         There is an error with the Total Geocentric Ocean Tide height for one or more records         There is an error with the Total Geocentric Ocean Tide height for one or more records         There is an error with the Total Geocentric Ocean Tide height for one or more records         There is an error with the Total Geocentric Ocean Tide height for one or more records         There is an error with the Total Geocentric Ocean Tide height for one or more records         There is an error with the Total Geocentric Ocean Tide height for one or more records         There is an error with the Total Geocentric Ocean Tide height for one or more records         There is an error with the Total Geocentric Ocean Tide height for one or more records         There is an error with the Total Geocentric Ocean Tide height for one or more records         There is an error with the Total Geocentric Ocean Tide height for one or more records         There is an error with the Total Geocentric Ocean Tide height (sol
5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH an 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 provide of products with errors:         0         5.4 L2 Auxiliary Correction Error Check         For all products, the auxiliary corrections within the Geophysical Group are checked 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 Number of products with errors:         17         Product         C3. OFFL_SIR_IOP_2_20171014T015229_20171014T022810_B001         C3. OFFL_SIR_IOP_2_20171014T033212_20171014T035111_B001         C3. OFFL_SIR_IOP_2_20171014T043950_20171014T045337_B001         C3. OFFL_SIR_IOP_2_20171014T043950_20171014T045337_B001         C3. OFFL_SIR_IOP_2_20171014T052803_20171014T053725_B001         C3. OFFL_SIR_IOP_2_20171014T052803_20171014T061649_B001	e-determined baseline and also to check the value ecked for the default error value (32767). E Level 2 products which are expected due to form this test. and sea ice, but this is to be expected. err land and sea ice, but this is to be expected. Test Failed Mean Sea Surface (1) Total Geocentric Ocean Tide (FES) Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non	Iidity of Auxiliary Data Files is correct.
5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH an 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 prowind 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 cheror at products, the auxiliary corrections within the Geophysical Group are cherored 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 land a set of the second set of the error value is currently set for products over land a set of the error value is currently set for products over land a set of the error value is currently set for products over land a set of the error value is currently set for products over land a set of the error value is currently set for products over land a set of the error value is currently set for products over land a set of the error value is currently set for products over land a set of the error value is currently set for products over land a set of the error value is currently set for products over land a set of the error value is currently set for products over land a set of the error value is currently set for products over land a set of the error value is currently set for products over land a set of the error value is currently set for products over land a set of the error value is currently set for products over land a set of the error value i	e-determined baseline and also to check the value ecked for the default error value (32767). E Level 2 products which are expected due to form this test. and sea ice, but this is to be expected. rer land and sea ice, but this is to be expected. Test Failed Mean Sea Surface (1) Total Geocentric Ocean Tide (FES) Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide	Idity of Auxiliary Data Files is correct.         Description         There is an error with the MSS height (solution 1) for one or more records         There is an error with the Total Geocentric Ocean Tide height (solution 1) FES) for one or more records         There is an error with the Total Geocentric Ocean Tide height (solution 1) FES) for one or more records         There is an error with the Total Geocentric Ocean Tide height (solution 1) FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records         There is an error with the Total Geocentric Ocean Tide height for one or more records         There is an error with the Total Geocentric Ocean Tide height for one or more records         There is an error with the Total Geocentric Ocean Tide height for one or more records         There is an error with the Total Geocentric Ocean Tide height (solution 1) FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records         There is an error with the Total Geocentric Ocean Tide height (solution 1) FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records         There is an error with the Total Geocentric Ocean Tide height (solution 1) FES) and the Non-equilibrium Long Period Ocean Tide height (solution 2) FES) and the Non-equilibrium Long Period Ocean Tide height (solution 2) FES) and the Non-equilibrium Long Period Ocean Tide height (solution 2) FES) for one or more records         There is an error with the Total Geocentric Ocean Tide height (solution 2) FES) for one or more records         There is an error with the Total Geocentric Ocean Tide height (solution 2) FES)

CS_OFFL_SIR_IOP_220171014T090458_20171014T090718_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_220171014T101000_20171014T103713_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_20171014T121950_20171014T122311_B001	Foullibrium Long Period Ocean Lide	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_220171014T135602_20171014T140333_B001	Fouilibrium 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_220171014T184830_20171014T185541_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_220171014T190430_20171014T191139_B001		There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_220171014T223749_20171014T230553_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_220171014T235915_20171015T000737_B001	Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction, U-component and V-component 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:

### 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. 30

0

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220171014T000100_20171014T000636_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T000822_20171014T000838_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T014022_20171014T014531_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T032231_20171014T032434_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T050144_20171014T050343_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T050454_20171014T050845_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T055536_20171014T055651_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T063953_20171014T064746_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T081822_20171014T082032_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T082054_20171014T082635_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T095744_20171014T095854_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T100031_20171014T100501_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T113940_20171014T114515_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T131844_20171014T132355_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T145549_20171014T145843_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T145849_20171014T145857_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T145857_20171014T145900_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T145900_20171014T150258_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T154300_20171014T154523_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T163742_20171014T163748_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T163748_20171014T163754_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T163754_20171014T163800_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T163800_20171014T164001_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T181148_20171014T181652_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T181716_20171014T181831_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T195150_20171014T195609_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T195630_20171014T195812_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T213000_20171014T213522_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171014T213529_20171014T213853_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. 23

#### Number of products with errors:

US_OFFL_SIR_IOP_2_20171014T000002_0171014T000456_B001       Ice Backscatter Averaging Status       records.         CS_OFFL_SIR_IOP_2_20171014T01422_20171014T014531_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status File has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T030244_B001       Ice Backscatter Averaging Status File has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T050144_20171014T050444_B001       Ice Backscatter Averaging Status File has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T050444_20171014T050445_B001       Ice Backscatter Averaging Status File has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T050454_20171014T055536_B001       Ice Backscatter Averaging Status File has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T063953_20171014T065561_B001       Ice Backscatter Averaging Status File has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T063953_20171014T063953_B001       Ice Backscatter Averaging Status File has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T062054_20171014T062055_B001       Ice Backscatter Averaging Status File has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T062054_20171014T062054_B001       Ice Backscatter Averaging Status File has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T062054_20171014T062054_B001       Ice Backscatter Averaging Status File has been set for one or more records.         CS_OFFL_SIR_IOP_2_20	Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_2017/0141014022_2017/014101432_5001       Ice Backscatter Averaging Status       records.         CS_OFFL_SIR_IOP_2_2017/0141050144_2017/0141050343_B001       Ice Backscatter Averaging Status       records.         CS_OFFL_SIR_IOP_2_2017/0141050144_2017/0141050343_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_2017/0141063953_2017/0141063656_18001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_2017/0141063953_2017/0141063953_2001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_2017/0141082054_2017/014104082052_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_2017/0141082054_2017/014104082052_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more	CS_OFFL_SIR_IOP_220171014T000100_20171014T000636_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
US_OFFL_SIR_IOP_2_201710141032231_20171014103243_B001       Ide Backscatter Averaging Status       The loce Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014105044_201710141050945_B001       Ice Backscatter Averaging Status       The loce Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014105565_0_201710141055651_B001       Ice Backscatter Averaging Status       The loce Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_201710141063953_201710141064746_B001       Ice Backscatter Averaging Status       The loce Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_201710141063254_201710141062632_B001       Ice Backscatter Averaging Status       The loce Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014106264_201710141082035_B001       Ice Backscatter Averaging Status       The loce Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_201710141005744_201710141095854_B001       Ice Backscatter Averaging Status       The loce Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_201710141100501_B001       Ice Backscatter Averaging Status       The loce Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_201710141114549_201710141105258_B001       Ice Backscatter Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220171014T014022_20171014T014531_B001	Ice Backscatter Averaging Status	
CS_OFF_SIR_IOP_2_20171014105014_20171014105033_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_201710141055536_20171014T055651_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T055536_20171014T055651_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T063953_20171014T064746_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T060254_20171014T082032_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T082054_20171014T082054_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T140031_20171014T100501_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T16549_20171014T145649_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T145649_20171014T145649_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has	CS_OFFL_SIR_IOP_220171014T032231_20171014T032434_B001	Ice Backscatter Averaging Status	
CS_OFFL_SIR_IOP_2_201710141054542_201710141050445_B001       Ice Backscatter Averaging Status       records.         CS_OFFL_SIR_IOP_2_201710141055536_201710141055651_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status       Flag         CS_OFFL_SIR_IOP_2_201710141063953_201710141082032_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status       Flag       Flag <td< td=""><td>CS_OFFL_SIR_IOP_220171014T050144_20171014T050343_B001</td><td>Ice Backscatter Averaging Status</td><td></td></td<>	CS_OFFL_SIR_IOP_220171014T050144_20171014T050343_B001	Ice Backscatter Averaging Status	
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CS_OFFL_SIR_IOP_2_20171014108182_20171014108203_B001       Ice Backscatter Averaging Status       records.         CS_OFFL_SIR_IOP_2_20171014T082034_20171014T082635_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T093744_20171014T095854_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T100031_20171014T100501_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T131844_20171014T133255_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T145549_20171014T145843_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T145549_20171014T145843_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T145800_20171014T165258_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T163800_20171014T164503_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220171014T063953_20171014T064746_B001	Ice Backscatter Averaging Status	
CS_OFFL_SIR_IOP_2_201710141082054_201710141082055_B001       Ice Backscatter Averaging Status       records.         CS_OFFL_SIR_IOP_2_20171014T095744_20171014T095854_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T100031_20171014T100501_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T131844_20171014T132355_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T14549_20171014T132355_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T14500_20171014T145843_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T14500_20171014T150258_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T14500_20171014T150258_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T163800_20171014T164001_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS	CS_OFFL_SIR_IOP_220171014T081822_20171014T082032_B001	Ice Backscatter Averaging Status	
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CS_OFFL_SIR_IOP_2_20171014T1140001_20171014T1100501_8001Ice Backscatter Averaging Statusrecords.CS_OFFL_SIR_IOP_2_20171014T1131844_20171014T132355_B001Ice Backscatter Averaging StatusThe Ice Backscatter Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20171014T145549_20171014T145843_B001Ice Backscatter Averaging StatusThe Ice Backscatter Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20171014T145900_20171014T150258_B001Ice Backscatter Averaging StatusThe Ice Backscatter Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20171014T154300_20171014T154523_B001Ice Backscatter Averaging StatusThe Ice Backscatter Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20171014T163800_20171014T164001_B001Ice Backscatter Averaging StatusThe Ice Backscatter Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20171014T181148_20171014T164001_B001Ice Backscatter Averaging StatusThe Ice Backscatter Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20171014T181148_20171014T181652_B001Ice Backscatter Averaging StatusThe Ice Backscatter Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20171014T181716_20171014T181831_B001Ice Backscatter Averaging StatusThe Ice Backscatter Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20171014T18550_20171014T181831_B001Ice Backscatter Averaging StatusThe Ice Backscatter Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20171014T18550_20171014T181831_B001	CS_OFFL_SIR_IOP_220171014T095744_20171014T095854_B001	Ice Backscatter Averaging Status	
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CS_OFFL_SIR_IOP_2_20171014T18300_20171014T18400T_B001       Ice Backscatter Averaging Status       records.         CS_OFFL_SIR_IOP_2_20171014T181148_20171014T181652_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T181716_20171014T181831_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T195150_20171014T195609_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T195630_20171014T195812_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20171014T195630_20171014T195812_B001       Ice Backscatter Averaging Status       The Ice Backscatter Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220171014T154300_20171014T154523_B001	Ice Backscatter Averaging Status	
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	CS_OFFL_SIR_IOP_220171014T195150_20171014T195609_B001	Ice Backscatter Averaging Status	
The correction of the correcti	CS_OFFL_SIR_IOP_220171014T195630_20171014T195812_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
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#### 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	223	223	223	0	0
SIR_IOP_2	221	221	221	0	0
6.1 QCC Errors					
Number of QCC reports with er	rrors: 0				
6.2 QCC Warnings					
Number of QCC reports with w	arnings 0				
6.3 Missing QCC Repo	orts				
Number of products with missi	ing QCC reports: 0				