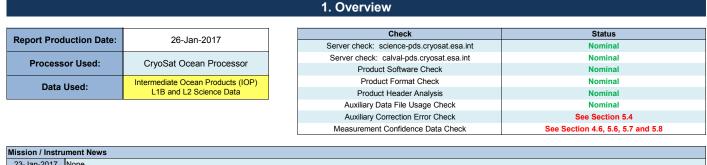


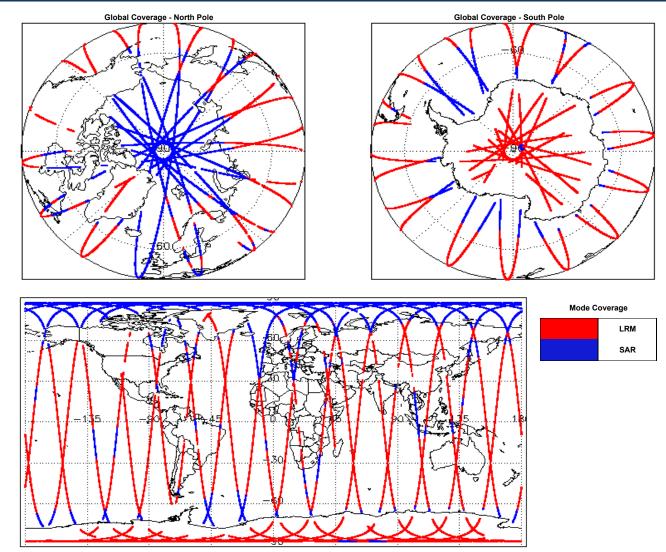
IDEAS+ Daily Report for IOP data:

24/01/2017



20-0411-2017	NOTIC
24-Jan-2017	None
25-Jan-2017	Nothing planned





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.

Number of products with errors:

(

Each product is shocked for missing Data Cat Descriptors with respect to a	re determined becaling and classic	abook the validity of Auviliany Data Files is served
Each product is checked for missing Data Set Descriptors with respect to a p	re-determined baseline and also to	check the validity 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 measure	ment record. The bit value of this fl	ag 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	measurement record. The bit valu	e of this flag indicates any problems when set.
Number of products with errors: 0		- ••
4.6.1.4.P. Wayafarm Craye Data Chaok		
4.6 L1B Waveform Group Data Check		
CryoSat L1B data includes a waveform data flag (field 65) for each measurer	nent record. The bit value of this fla	ag indicates any problems when set.
		ag indicates any problems when set.
CryoSat L1B data includes a waveform data flag (field 65) for each measurer Loss of Echo Flag: This flag is currently set for products over land, but this i Number of products with errors: 13		ag indicates any problems when set.
Loss of Echo Flag: This flag is currently set for products over land, but this i		ag indicates any problems when set. Description
Loss of Echo Flag: This flag is currently set for products over land, but this i Number of products with errors: 13	s to be expected.	
Loss of Echo Flag: This flag is currently set for products over land, but this i Number of products with errors: 13 Product	s to be expected. Test Failed	Description
Loss of Echo Flag: This flag is currently set for products over land, but this i Number of products with errors: 13 Product CS_OFFL_SIR_IOP_1B_20170124T001609_20170124T001758_B001	s to be expected. Test Failed Loss of Echo	Description The tracking echo is missing for one or more records
Loss of Echo Flag: This flag is currently set for products over land, but this i Number of products with errors: 13 Product 13 CS_OFFL_SIR_IOP_1B_20170124T001609_20170124T001758_B001 100 CS_OFFL_SIR_IOP_1B_20170124T002659_20170124T003501_B001 100	s to be expected. Test Failed Loss of Echo Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records
Loss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 13 Product 13 CS_OFFL_SIR_IOP_1B_20170124T001609_20170124T001758_B001 100 CS_OFFL_SIR_IOP_1B_20170124T002659_20170124T003501_B001 100 CS_OFFL_SIR_IOP_1B_20170124T015244_20170124T015635_B001 100	s to be expected. Test Failed Loss of Echo Loss of Echo Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
Loss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 13 Product 13 CS_OFFL_SIR_IOP_1B_20170124T001609_20170124T001758_B001 13 CS_OFFL_SIR_IOP_1B_20170124T002659_20170124T003501_B001 13 CS_OFFL_SIR_IOP_1B_20170124T002659_20170124T003501_B001 13 CS_OFFL_SIR_IOP_1B_20170124T015244_20170124T015635_B001 13 CS_OFFL_SIR_IOP_1B_20170124T015244_20170124T015635_B001 14 CS_OFFL_SIR_IOP_1B_20170124T020139_20170124T02400_B001 14	s to be expected. Test Failed Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
Loss of Echo Flag: This flag is currently set for products over land, but this i Number of products with errors: 13 Product 13 CS_OFFL_SIR_IOP_1B_20170124T001609_20170124T001758_B001 02 CS_OFFL_SIR_IOP_1B_20170124T002659_20170124T003501_B001 02 CS_OFFL_SIR_IOP_1B_20170124T015244_20170124T015635_B001 02 CS_OFFL_SIR_IOP_1B_20170124T02139_20170124T020400_B001 02 CS_OFFL_SIR_IOP_1B_20170124T034630_20170124T035415_B001 02 CS_OFFL_SIR_IOP_1B_20170124T0240051_20170124T026616_B001 02	s to be expected. Test Failed Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
Loss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 13 Product 13 CS_OFFL_SIR_IOP_1B_20170124T001609_20170124T001758_B001 13 CS_OFFL_SIR_IOP_1B_20170124T002659_20170124T003501_B001 13 CS_OFFL_SIR_IOP_1B_20170124T002659_20170124T003501_B001 13 CS_OFFL_SIR_IOP_1B_20170124T002659_20170124T003501_B001 14 CS_OFFL_SIR_IOP_1B_20170124T015244_20170124T015635_B001 14 CS_OFFL_SIR_IOP_1B_20170124T020139_20170124T020400_B001 15 CS_OFFL_SIR_IOP_1B_20170124T034630_20170124T035415_B001 14 CS_OFFL_SIR_IOP_1B_20170124T062051_20170124T062616_B001 14 CS_OFFL_SIR_IOP_1B_20170124T065355_20170124T065548_B001 14	s to be expected. Test Failed Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
Loss of Echo Flag: This flag is currently set for products over land, but this i Number of products with errors: 13 Product CS_OFFL_SIR_IOP_1B_20170124T001609_20170124T001758_B001 CS_OFFL_SIR_IOP_1B_20170124T002659_20170124T003501_B001 CS_OFFL_SIR_IOP_1B_20170124T002659_20170124T003501_B001 CS_OFFL_SIR_IOP_1B_20170124T015244_20170124T015635_B001 CS_OFFL_SIR_IOP_1B_20170124T020139_20170124T020400_B001 CS_OFFL_SIR_IOP_1B_20170124T034630_20170124T035415_B001 CS_OFFL_SIR_IOP_1B_20170124T034630_20170124T035415_B001	s to be expected. Test Failed Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
Loss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 13 Product 13 CS_OFFL_SIR_IOP_1B_20170124T001609_20170124T001758_B001 CS_OFFL_SIR_IOP_1B_20170124T002659_20170124T003501_B001 CS_OFFL_SIR_IOP_1B_20170124T015244_20170124T015635_B001 CS_OFFL_SIR_IOP_1B_20170124T020139_20170124T02400_B001 CS_OFFL_SIR_IOP_1B_20170124T02403_020170124T02400_B001 CS_OFFL_SIR_IOP_1B_20170124T0660546_001 CS_OFFL_SIR_IOP_1B_20170124T062051_20170124T062616_B001 CS_OFFL_SIR_IOP_1B_20170124T065355_20170124T065548_B001 CS_OFFL_SIR_IOP_1B_20170124T080731_20170124T082609_B001 CS_OFFL_SIR_IOP_1B_20170124T080731_20170124T082609_B001	s to be expected. Test Failed Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
Loss of Echo Flag: This flag is currently set for products over land, but this is sumber of products with errors: 13 Product 13 DS_OFFL_SIR_IOP_1B_20170124T001609_20170124T001758_B001 05 CS_OFFL_SIR_IOP_1B_20170124T002659_20170124T003501_B001 05 CS_OFFL_SIR_IOP_1B_20170124T015244_20170124T015635_B001 05 CS_OFFL_SIR_IOP_1B_20170124T020139_20170124T020400_B001 05 CS_OFFL_SIR_IOP_1B_20170124T034630_20170124T035415_B001 05 CS_OFFL_SIR_IOP_1B_20170124T062051_20170124T062616_B001 05 CS_OFFL_SIR_IOP_1B_20170124T065355_20170124T082609_B001 05 CS_OFFL_SIR_IOP_1B_20170124T080731_20170124T082609_B001 05 CS_OFFL_SIR_IOP_1B_20170124T135608_20170124T135927_B001 05 CS_OFFL_SIR_IOP_1B_20170124T181416_20170124T181618_B001 05	s to be expected. Test Failed Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
Loss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 13 Product 13 CS_OFFL_SIR_IOP_1B_20170124T001609_20170124T001758_B001 CS_OFFL_SIR_IOP_1B_20170124T002659_20170124T003501_B001 CS_OFFL_SIR_IOP_1B_20170124T015244_20170124T015635_B001 CS_OFFL_SIR_IOP_1B_20170124T020139_20170124T02400_B001 CS_OFFL_SIR_IOP_1B_20170124T02403_0_20170124T025415_B001 CS_OFFL_SIR_IOP_1B_20170124T062051_20170124T06548_B001 CS_OFFL_SIR_IOP_1B_20170124T065355_20170124T065548_B001 CS_OFFL_SIR_IOP_1B_20170124T080731_20170124T082609_B001 CS_OFFL_SIR_IOP_1B_20170124T035058_20170124T085475_B001 CS_OFFL_SIR_IOP_1B_20170124T080731_20170124T085548_B001	s to be expected. Test Failed Loss of Echo Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records 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:

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.

15

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:
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Product	Test Failed	Description
CS_OFFL_SIR_IOP_220170124T015839_20170124T020012_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_220170124T020541_20170124T021418_B001	Mean Sea Surface (2)	There is an error with the MSS height (solution 2) for one or more records
CS_OFFL_SIR_IOP_220170124T053126_20170124T053245_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_220170124T070442_20170124T071127_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_220170124T072008_20170124T073217_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_220170124T084859_20170124T084954_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_220170124T120650_20170124T121128_B001		There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) for one or more records

CS_OFFL_SIR_IOP_220170124T143920_20170124T151346_B001	Mean Sea Surface (2)	There is an error with the MSS height (solution 2) for one or more records
CS_OFFL_SIR_IOP_220170124T152803_20170124T153815_B001	For Formattic 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_220170124T153815_20170124T160226_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_220170124T172756_20170124T174109_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_220170124T175833_20170124T181416_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_220170124T191924_20170124T192011_B001		There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) for one or more records
CS_OFFL_SIR_IOP_220170124T195246_20170124T200135_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_220170124T215554_20170124T215653_B001		There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) 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. 31

0

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220170124T002659_20170124T003501_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T011835_20170124T012356_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T025726_20170124T025837_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T025844_20170124T030251_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T043231_20170124T043735_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T043741_20170124T043748_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T043755_20170124T044101_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20170124T061125_20170124T061633_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T061653_20170124T061705_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T061711_20170124T061839_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T070442_20170124T071127_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T075043_20170124T075544_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T075544_20170124T075551_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T075625_20170124T075728_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T093122_20170124T093501_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T093522_20170124T093830_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T110904_20170124T111414_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T111421_20170124T111749_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T124904_20170124T125447_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T125520_20170124T125649_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T142830_20170124T143341_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T161028_20170124T161243_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T174954_20170124T175151_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T175320_20170124T175654_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T184348_20170124T184524_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T192814_20170124T193117_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T193121_20170124T193555_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20170124T210626_20170124T211452_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T215554_20170124T215653_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T224551_20170124T224712_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. 28

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220170124T002659_20170124T003501_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T011835_20170124T012356_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T025726_20170124T025837_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20170124T043231_20170124T043735_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T043741_20170124T043748_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T043755_20170124T044101_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T061653_20170124T061705_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T070442_20170124T071127_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T075043_20170124T075544_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T075544_20170124T075551_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T075625_20170124T075728_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T093122_20170124T093501_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T093522_20170124T093830_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T110904_20170124T111414_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T111421_20170124T111749_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T124904_20170124T125447_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T125520_20170124T125649_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T142830_20170124T143341_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T161028_20170124T161243_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T174954_20170124T175151_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T175320_20170124T175654_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T184348_20170124T184524_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T192814_20170124T193117_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T193121_20170124T193555_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T210626_20170124T211452_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T215554_20170124T215653_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T224551_20170124T224712_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170124T224838_20170124T225254_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.

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	263	263	263	0	0
SIR_IOP_2	262	262	262	0	0
6.1 QCC Errors					
		_			
Number of QCC reports with e	nois.	0			
lumber of QCC reports with e	nors.	0			
umber of QCC reports with e	nors.	U			

149

6.3 Missing QCC Reports

Number of products with missing QCC reports: 0