



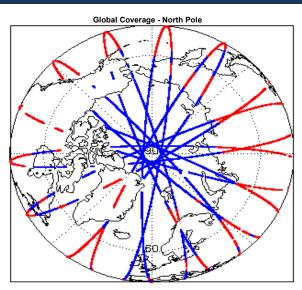
1. Overview

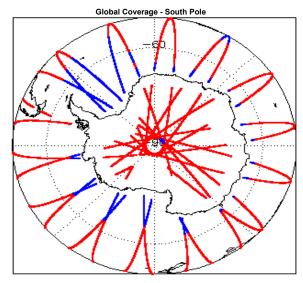
Report Production Date:	25-Feb-2016
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B and L2 Science Data

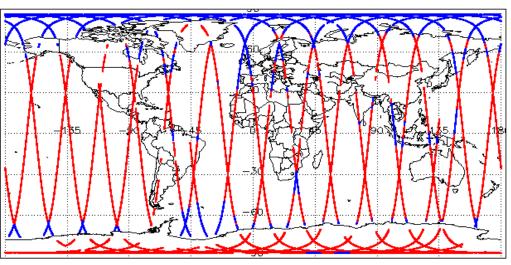
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement Confidence Data Check	See Section 4.6, 5.6, 5.7 and 5.8

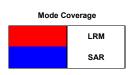
Mission / Instrument News		
25-Jan-2016	None	
26-Jan-2016	None	
27-Jan-2016	Nothing planned	

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. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a product file (.DBL).

Number of products with errors:

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.

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag (field 60) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

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

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

5

Product	Test Failed	Description
CS_OFFL_SIR_GOP_1B_20160126T115227_20160126T115814_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160126T160644_20160126T160744_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160126T192607_20160126T193355_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160126T193805_20160126T193808_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160126T210624_20160126T211618_B001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a product file (.DBL).

Number of products with errors:

5.2 L2 Product Header Analysis

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

lumber of products with errors:

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).

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.

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220160126T000344_20160126T000455_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_GOP_2_20160126T010432_20160126T010639_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_GOP_2_20160126T024654_20160126T024928_B001		There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220160126T025955_20160126T030056_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_GOP_220160126T035210_20160126T042108_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_GOP_220160126T080045_20160126T080420_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_GOP_220160126T080610_20160126T080649_B001	Lotal Geocentric Ocean Lide (FES)	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) for one or more records
CS_OFFL_SIR_GOP_2_20160126T093858_20160126T094913_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_GOP_2_20160126T094914_20160126T101205_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_GOP_2_20160126T103041_20160126T110012_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_GOP_220160126T120933_20160126T122508_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_GOP_220160126T122508_20160126T122710_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_GOP_2_20160126T130047_20160126T130224_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_GOP_220160126T130414_20160126T131556_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_GOP_2_20160126T140412_20160126T141228_B001	Total Geocentric 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_GOP_2_20160126T144214_20160126T145156_B001		more records
CS_OFFL_SIR_GOP_2_20160126T162516_20160126T165259_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_GOP_220160126T191621_20160126T191859_B001	Geoid Height	There is an error with the Geoid height for one or more records
CS_OFFL_SIR_GOP_2_20160126T191900_20160126T192224_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_GOP_2_20160126T205634_20160126T210519_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_GOP_2_20160126T234754_20160127T000021_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

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.

0

Number of products with errors:

CS_OFFL_SIR_GOP_2_201601287002729_201601287002738_B001 toe Range Averaging Status The loce Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201601287002736_201601287002743_B001 toe Range Averaging Status The loce Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_201601287002743_20160128700203_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_201601287002008_20160128700203_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_201601287002008_20160128700203_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_20160128702004_20160128700203_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_20160128702004_201601287002003_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_20160128702004_201601287002003_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_20160128702004_201601287020082_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_20160128702004_201601287020082_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_201601287030422_201601287020082_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_201601287030408_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_20160128703002_201601287030510_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_20160128703002_2016012870305210_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_20160128703002_2016012870305210_B001 CS_OFFL_SIR_GOP_2_20160128703002_2016012870305210_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_20160128703002_2016012870305210_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_20160128707004_201601287070542_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_20160128707004_201601287070542_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_20160128707004_201601287070542_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_201601287102002_201601287103048_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_201601287103042_201601287103048_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_20160128713004_201601287103048_B001 toe Range Averaging Status CS_OFFL_SIR_GOP_2_201601287113004_20160128	Product	Test Failed	Description
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CS_OFFL_SIR_GOP_2_20160126T020140_20160126T020583_B001	CS_OFFL_SIR_GOP_2_20160126T002743_20160126T002748_B001	Ice Range Averaging Status	
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CS_OFFL_SIR_GOP_2_20160128T02072; 20160128T020825_8001 Ice Range Averaging Status Tice Range Averagin	CS_OFFL_SIR_GOP_2_20160126T020140_20160126T020639_B001	Ice Range Averaging Status	
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CS_OFFL_SIR_GOP_2_20160126T034618_20160126T034935_B001 CS_OFFL_SIR_GOP_2_20160126T034018_20160126T052510_B001 CS_OFFL_SIR_GOP_2_20160126T052515_20160126T052510_B001 CS_OFFL_SIR_GOP_2_20160126T052515_20160126T052844_B001 CS_OFFL_SIR_GOP_2_20160126T070004_20160126T070542_B001 CS_OFFL_SIR_GOP_2_20160126T070004_20160126T07044_B001 CS_OFFL_SIR_GOP_2_20160126T070841_20160126T070744_B001 CS_OFFL_SIR_GOP_2_20160126T083928_20160126T08436_B001 CS_OFFL_SIR_GOP_2_20160126T023928_20160126T083928_20160126T083928_20160126T083928_20160126T083928_20160126T083928_20160126T08398_B001 CS_OFFL_SIR_GOP_2_20160126T102132_20160126T102339_B001 CS_OFFL_SIR_GOP_2_20160126T120407_20160126T120448_B001 CS_OFFL_SIR_GOP_2_20160126T120407_20160126T120448_B001 CS_OFFL_SIR_GOP_2_20160126T120407_20160126T120448_B001 CS_OFFL_SIR_GOP_2_20160126T120407_20160126T12048_B001 CS_OFFL_SIR_GOP_2_20160126T120407_20160126T12048_B001 CS_OFFL_SIR_GOP_2_20160126T120407_20160126T12048_B001 CS_OFFL_SIR_GOP_2_20160126T120407_20160126T12048_B001 CS_OFFL_SIR_GOP_2_20160126T125443_20160126T134651_B001 CS_OFFL_SIR_GOP_2_20160126T125443_20160126T15939_B001 CS_OFFL_SIR_GOP_2_20160126T15952_20160126T15959_B001 CS_OFFL_SIR_GOP_2_20160126T15952_20160126T15953_B001 CS_OFFL_SIR_GOP_2_20160126T15952_20160126T15953_B001 CS_OFFL_SIR_GOP_2_20160126T15952_20160126T15953_B001 CS_OFFL_SIR_GOP_2_20160126T15952_20160126T15953_B001 CS_OFFL_SIR_GOP_2_20160126T15952_20160126T165648_B001 CS_OFFL_SIR_GOP_2_20160126T15952_20160126T165648_B001 CS_OFFL_SIR_GOP_2_20160126T15952_20160126T165648_B001 CS_OFFL_SIR_GOP_2_20160126T15952_20160126T165648_B001 CS_OFFL_SIR_GOP_2_20160126T15952_20160126T165648_B001 CS_OFFL_SIR_GOP_2_20160126T15952_20160126T165648_B001 CS_OFFL_SIR_GOP_2_20160126T169505_20160126T165648_B001 CS_OFFL_SIR_GOP_2_20160126T169505_20160126T165648_B001 CS_OFFL_SIR_GOP_2_20160126T169505_20160126T165648_B001 CS_OFFL_SIR_GOP_2_20160126T169505_20160126T165648_B001 CS_OFFL_SIR_GOP_2_20160126T169505_20160126T165648_B001 CS_OFFL_SIR_GOP_2_20160126T169	CS_OFFL_SIR_GOP_2_20160126T020721_20160126T020825_B001	Ice Range Averaging Status	
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CS_OFFL_SIR_GOP_2_20160126T0520517_20160126T052844_B001	CS_OFFL_SIR_GOP_2_20160126T034618_20160126T034935_B001	Ice Range Averaging Status	
CS_OFFL_SIR_GOP_2_20160126T070004_20160126T070542_B001	CS_OFFL_SIR_GOP_2_20160126T052005_20160126T052510_B001	Ice Range Averaging Status	
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CS_OFFL_SIR_GOP_2_20160126T165648_20160126T165804_B001 Ice Range Averaging Status	CS_OFFL_SIR_GOP_2_20160126T151725_20160126T151939_B001	Ice Range Averaging Status	
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CS_OFFL_SIR_GOP_2_20160126T183846_20160126T184423_B001	CS_OFFL_SIR_GOP_2_20160126T165648_20160126T165804_B001	Ice Range Averaging Status	
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CS_OFFL_SIR_GOP_2_201601261192607_201601261193395_B001 Ice Range Averaging Status records.	CS_OFFL_SIR_GOP_220160126T183846_20160126T184423_B001	Ice Range Averaging Status	
CS_OFFL_SID_GOP_2_20160126T201749_20160126T202301_B001	CS_OFFL_SIR_GOP_220160126T192607_20160126T193355_B001	Ice Range Averaging Status	
CS_OFFL_SIR_GOF_2_201001201201701201202001_B001 Ice Railige Averaging Status records.	CS_OFFL_SIR_GOP_2_20160126T201749_20160126T202301_B001	Ice Range Averaging Status	

CS_OFFL_SIR_GOP_2_20160126T215525_20160126T215748_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T215755_20160126T220206_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T224235_20160126T224428_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T233128_20160126T233647_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T233647_20160126T233653_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T233653_20160126T233700_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160126T233706_20160126T233910_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.

Number of products with errors:

24

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220160126T002729_20160126T002736_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160126T020721_20160126T020825_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T034222_20160126T034556_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T034618_20160126T034935_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T052005_20160126T052510_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T052517_20160126T052844_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160126T070004_20160126T070542_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T070641_20160126T070744_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T083928_20160126T084436_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T102132_20160126T102339_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T120050_20160126T120248_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T120407_20160126T120749_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160126T125443_20160126T125608_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T133904_20160126T134651_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T151725_20160126T151939_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T151952_20160126T152543_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T165648_20160126T165804_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T192607_20160126T193355_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T201749_20160126T202301_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T215525_20160126T215748_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T215755_20160126T220206_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T233128_20160126T233647_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T233653_20160126T233700_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160126T233706_20160126T233910_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: