

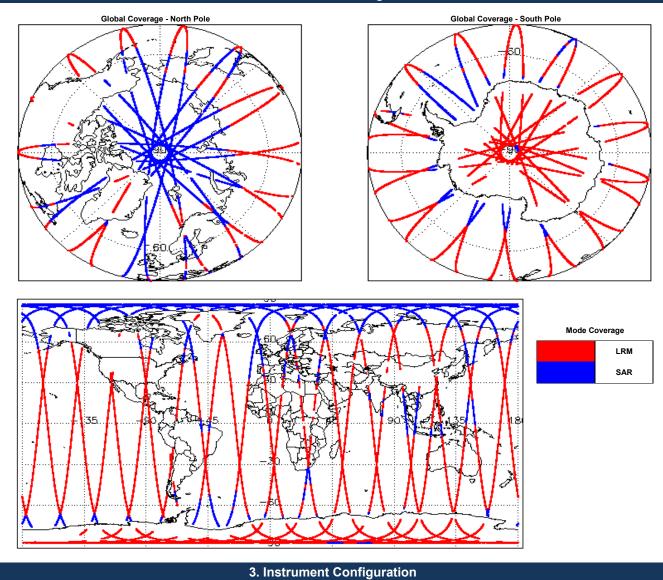
# IDEAS+ Daily Report for GOP data:

# <u>03/03/2016</u>

Report Production Date:	01-Apr-2016	Check	Status	
		Server check: science-pds.cryosat.esa.int	Nominal	
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	
		Product Software Check	Nominal	
Data Used:	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	
	L1B and L2 Science Data	Product Header Analysis	Nominal	
		Auxiliary Data File Usage Check	Nominal	
		Auxiliary Correction Error Check	See Section 5.4	
		Measurement Confidence Data Check	See Section 4.5, 4.6, 5.5, 5.6, 5.7 and 5.8	

03-Mar-2016 None 04-Mar-2016 Nothing planned

2. Global Coverage



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. Number of products with errors: 0

4.3 L1B Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pro-	e-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 measurem	nent record. The bit value of this fla	g 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 value	of this flag indicates any problems when set.
Number of products with errors: 1		
Product	Test Failed	Description
CS OFEL SIR GOP 1B 20160303T174050 20160303T174141 B001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more

records

Power scaling error

#### 4.6 L1B Waveform Group Data Check

CS\_OFFL\_SIR\_GOP\_1B\_20160303T174050\_20160303T174141\_B001

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

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

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#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_1B_20160303T025654_20160303T030441_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160303T093406_20160303T093939_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160303T105219_20160303T110142_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160303T130356_20160303T130614_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160303T143321_20160303T143815_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160303T160712_20160303T160901_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160303T173807_20160303T173904_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160303T174405_20160303T174706_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160303T174819_20160303T175018_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160303T191811_20160303T191840_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160303T192023_20160303T193003_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160303T213844_20160303T215458_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160303T223940_20160303T224749_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160303T230711_20160303T231735_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. 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).

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

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

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

Number of products with errors:

Product	Test Failed	Description
	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_220160303T011218_20160303T011357_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
	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_220160303T031359_20160303T034348_B001	Tide (FES), Non-Equilibrium Long Period	There is an error with the Geoid height, 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_220160303T061012_20160303T062203_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_GOP_220160303T085538_20160303T091310_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_220160303T092508_20160303T092923_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_220160303T093223_20160303T093348_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_220160303T105219_20160303T110142_B001	Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT and solution 2: FES)
CS_OFFL_SIR_GOP_2_20160303T112211_20160303T112644_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_220160303T125126_20160303T125801_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_20160303T130614_20160303T131642_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_20160303T160712_20160303T160901_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_220160303T192023_20160303T193003_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_20160303T194013_20160303T194141_B001	Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide	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_220160303T222534_20160303T222748_B001	Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	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_220160303T225006_20160303T225704_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_220160303T230711_20160303T231735_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

#### 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:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220160303T174050_20160303T174141_B001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

# 5.6 L2 Range Measurement Check

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

Currently, there are two common status flags raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a

table highlighting any additional issues which may arise from this test.

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

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 32

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220160303T002656_20160303T003147_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T003228_20160303T003337_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T020732_20160303T021103_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T021110_20160303T021119_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T021126_20160303T021453_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T034518_20160303T035017_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T035024_20160303T035352_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T052516_20160303T053048_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T070435_20160303T070944_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T084651_20160303T084848_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T102555_20160303T102758_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T102859_20160303T103300_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T111954_20160303T112056_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T120357_20160303T121202_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T134237_20160303T134443_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T134514_20160303T135045_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T152157_20160303T152300_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T152445_20160303T152931_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T152947_20160303T153044_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T170354_20160303T170924_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T184256_20160303T184810_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T201836_20160303T202256_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOP_2_20160303T202309_20160303T202314_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20160303T202314_20160303T202709_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20160303T210657_20160303T210944_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20160303T215637_20160303T220154_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20160303T2120201_20160303T220207_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20160303T220207_20160303T220213_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20160303T220213_20160303T220213_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20160303T233602_20160303T234105_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20160303T234112_20160303T234123_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20160303T234112_20160303T234123_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20160303T234129_20160303T234123_B001Ice Range Averaging StatusT			
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CS_OFFL_SIR_GOP_2_20160303T220207_20160303T220213_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.   CS_OFFL_SIR_GOP_2_20160303T220213_20160303T220410_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.   CS_OFFL_SIR_GOP_2_20160303T230602_20160303T234105_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.   CS_OFFL_SIR_GOP_2_20160303T234112_20160303T234105_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.   CS_OFFL_SIR_GOP_2_20160303T234112_20160303T234123_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.   CS_OFFL_SIR_GOP_2_20160303T234112_20160303T234123_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.   CS_OFFL_SIR_GOP_2_20160303T234129_20160303T234123_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.   CS_OFFL_SIR_GOP_2_20160303T234129_20160303T234243_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOP_220160303T215637_20160303T220154_B001	Ice Range Averaging Status	
CS_OFFL_SIR_GOP_2_20160303T220213_20160303T220410_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.   CS_OFFL_SIR_GOP_2_20160303T230602_20160303T234105_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.   CS_OFFL_SIR_GOP_2_20160303T234112_20160303T234105_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.   CS_OFFL_SIR_GOP_2_20160303T234112_20160303T234123_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.   CS_OFFL_SIR_GOP_2_20160303T234112_20160303T234123_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.   CS_OFFL_SIR_GOP_2_20160303T234129_20160303T234243_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOP_220160303T220201_20160303T220207_B001	Ice Range Averaging Status	
CS_OFFL_SIR_GOP_2_20160303T234102_20160303T234105_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.   CS_OFFL_SIR_GOP_2_20160303T234112_20160303T234123_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.   CS_OFFL_SIR_GOP_2_20160303T234112_20160303T234123_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.   CS_OFFL_SIR_GOP_2_20160303T234129_20160303T234243_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOP_220160303T220207_20160303T220213_B001	Ice Range Averaging Status	0 0 0
CS_OFFL_SIR_GOP_2_20160303T234112_20160303T234123_B001 Ice Range Averaging Status records.   CS_OFFL_SIR_GOP_2_20160303T234112_20160303T234123_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.   CS_OFFL_SIR_GOP_2_20160303T234129_20160303T234123_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOP_220160303T220213_20160303T220410_B001	Ice Range Averaging Status	0 00 0
CS_OFFL_SIR_GOP_2_201603031234112_201603031234123_8001 Ice Range Averaging Status records. The Ice Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_GOP_220160303T233602_20160303T234105_B001	Ice Range Averaging Status	
US DEEL SIR GOP Z ZUIbU3031Z34129 ZUIbU3031Z34243 BUUI UCE Rande Averaging Status	CS_OFFL_SIR_GOP_220160303T234112_20160303T234123_B001	Ice Range Averaging Status	5 5 5 F
	CS_OFFL_SIR_GOP_220160303T234129_20160303T234243_B001	Ice Range Averaging Status	

#### 5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

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

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20160303T002656_20160303T003147_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T003228_20160303T003337_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T020732_20160303T021103_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T021126_20160303T021453_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T034518_20160303T035017_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T035024_20160303T035352_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T052516_20160303T053048_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T070435_20160303T070944_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T084651_20160303T084848_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T102555_20160303T102758_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T102859_20160303T103300_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T111954_20160303T112056_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T120357_20160303T121202_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T134237_20160303T134443_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T134514_20160303T135045_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T152157_20160303T152300_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T152445_20160303T152931_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T152947_20160303T153044_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T170354_20160303T170924_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T184256_20160303T184810_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T201836_20160303T202256_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T202314_20160303T202709_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T210657_20160303T210944_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T220213_20160303T220410_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T233602_20160303T234105_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20160303T234112_20160303T234123_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160303T234129_20160303T234243_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. 129 Number of products with errors: