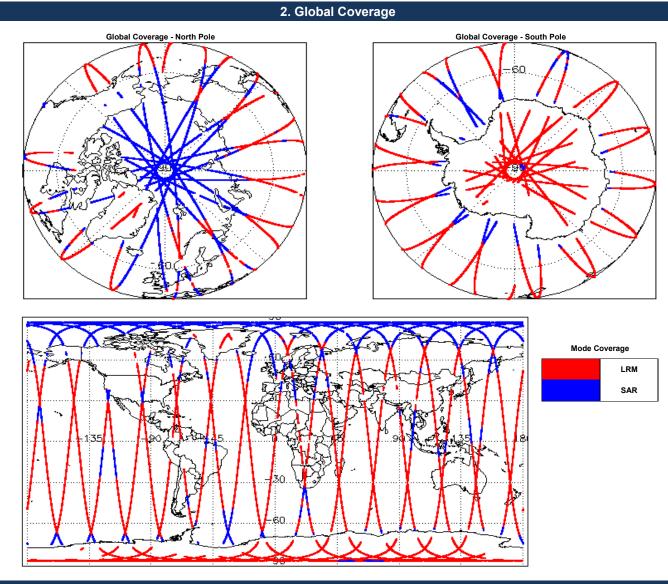


IDEAS+ Daily Report for GOP data:

<u>20/03/2017</u>

		1. Overview	
	00.4.0047	Check	Status
Report Production Date:	20-Apr-2017	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
Data Osed.	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 4.6, 5.6, 5.7 and 5.8
		· · · ·	
Mission / Instrument News			
19-Mar-2017 None			
20-Mar-2017 None			
21-Mar-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. 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 pr	e-determined baseline and also to che	ck 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	ent record. The bit value of this flag in	dicates 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		
4.6 L1B Waveform Group Data Check		
CryoSat L1B data includes a waveform data flag (field 65) for each measurem	ent record. The bit value of this flag in	licates any problems when set.
.oss of Echo Flag: This flag is currently set for products over land, but this is	to be expected.	
Number of products with errors: 10		
roduct	Test Failed	Description
S_OFFL_SIR_GOP_1B_20170320T000038_20170320T000630_B001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20170320T034458_20170320T035516_B001 S_OFFL_SIR_GOP_1B_20170320T083455_20170320T091112_B001	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_GOP_1B_20170320T161820_20170320T163436_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20170320T164811_20170320T165002_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20170320T213545_20170320T213742_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20170320T213918_20170320T214723_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20170320T230500_20170320T230855_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20170320T231059_20170320T231233_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20170320T231402_20170320T231645_B001	Loss of Echo	The tracking echo is missing for one or more records
5 6	OP Level 2 Data Quali	ty Check
	OP Level 2 Data Quali	
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 hea	der file (.HDR) and a product file (.DBL).
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 and	J SPH in order to identify any inconsist	encies 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 pr	e-determined baseline and also to che	ck the validity of Auxiliary Data Files is correct.
Nind 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	ecked for the default error value (3276	
Currently, there are two common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise fr		7).
		7). ed due to surface type. All common flags are summarised in the list below,
	om this test.	,
Sea State Bias Error: The error value is currently set for products over land a	rom this test. and sea ice, but this is to be expected.	ed due to surface type. All common flags are summarised in the list below,
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 ov	rom this test. and sea ice, but this is to be expected.	ed due to surface type. All common flags are summarised in the list below,
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 ov Number of products with errors: 16	om this test. Ind sea ice, but this is to be expected. er land and sea ice, but this is to be ex	ed due to surface type. All common flags are summarised in the list below, «pected.
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 ov Number of products with errors: 16 Product	rom this test. and sea ice, but this is to be expected.	ed due to surface type. All common flags are summarised in the list below, opected. Description FS1 There is an error with the Total Geocentric Ocean Tide height (solution
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 ov Number of products with errors: 16 Product CS_OFFL_SIR_GOP_2_20170320T000038_20170320T000630_B001	rom this test. Ind sea ice, but this is to be expected. er land and sea ice, but this is to be ex Test Failed Total Geocentric Ocean Tide (F	Description ES) There is an error with the Total Geocentric Ocean Tide height (solution FES) for one or more records
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 ov Number of products with errors: 16 Product CS_OFFL_SIR_GOP_2_20170320T000038_20170320T000630_B001	Test Failed	due to surface type. All common flags are summarised in the list below, depected. Description ES) There is an error with the Total Geocentric Ocean Tide height (solution FES) for one or more records ES) There is an error with the Total Geocentric Ocean Tide height (solution FES) for one or more records ES) There is an error with the Total Geocentric Ocean Tide height (solution FES) for one or more records
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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 ov. Number of products with errors: 16 Product 20 CS_OFFL_SIR_GOP_2_20170320T000038_20170320T000630_B001 0 CS_OFFL_SIR_GOP_2_20170320T021845_20170320T023349_B001 0 CS_OFFL_SIR_GOP_2_20170320T034458_20170320T035516_B001 0 CS_OFFL_SIR_GOP_2_20170320T044540_20170320T045838_B001 0 CS_OFFL_SIR_GOP_2_20170320T050737_20170320T051444_B001 0 CS_OFFL_SIR_GOP_2_20170320T065144_20170320T065421_B001 0 CS_OFFL_SIR_GOP_2_20170320T081148_20170320T081344_B001 0	Test Failed Test Failed Total Geocentric Ocean Tide (F Total Geocentric Ocean Tide (F	Description ES) There is an error with the Total Geocentric Ocean Tide height (solution FES) for one or more records ES) There is an error with the Total Geocentric Ocean Tide height (solution FES) for one or more records ES) There is an error with the Total Geocentric Ocean Tide height (solution FES) for one or more records ES), Non- There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) for one or more records ES) There is an error with the Total Geocentric Ocean Tide height (solution FES) for one or more records ES) There is an error with the Total Geocentric Ocean Tide height (solution FES) for one or more records ES) There is an error with the Total Geocentric Ocean Tide height (solution FES) for one or more records ES), Non- There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one o more records ES), Non- There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one o more records ES), Non- There is an error with the Total Geocentric Ocean Tide height for one o more records ES), Non- There is an error with the Mean Sea Surface height and the Total Geocentric Ocean Tide height for one o more records m
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 ov Number of products with errors: 16 Product	Total Geocentric Ocean Tide (F Guilibrium Long Period Ocean Total Geocentric Ocean Tide (F Equilibrium Long Period Ocean Mean Sea Surface (2), Total Geocentric Ocean Tide (F	Description ES) There is an error with the Total Geocentric Ocean Tide height (solution 1 FES) for one or more records ES) There is an error with the Total Geocentric Ocean Tide height (solution 1 FES) for one or more records ES) There is an error with the Total Geocentric Ocean Tide height (solution 1 FES) for one or more records ES) 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 ES) There is an error with the Total Geocentric Ocean Tide height (solution 1 FES) and the Non-equilibrium Long Period Ocean Tide height (solution 1 FES) for one or more records ES) There is an error with the Total Geocentric Ocean Tide height (solution 1 FES) for one or more records ES) There is an error with the Total Geocentric Ocean Tide height (solution 1 FES) for one or more records ES) There is an error with the Total Geocentric Ocean Tide height (solution 1 FES) and the Non-equilibrium Long Period Ocean Tide height (solution 1 FES) and the Non-equilibrium Long Period Ocean Tide height (solution 1 FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records ES) Non- FHere is an error with the Total Geocentric Ocean Tide height for one or more records ES) Non- FES) and the Non-equilibrium Long Period Ocean Tide height (solution 1 FES) and the Non-equilibrium Long Period Ocean Tide height (solution 1 FES) and the Non-equil

CS_OFFL_SIR_GOP_220170320T142233_20170320T143826_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_220170320T152857_20170320T153111_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_220170320T161820_20170320T163436_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_220170320T163902_20170320T163958_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_220170320T165631_20170320T170816_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_220170320T183027_20170320T183302_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_220170320T184003_20170320T190722_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: 0

5.6 L2 Range Measurement Check

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

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

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

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 36

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220170320T005946_20170320T010142_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T010142_20170320T010149_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T010149_20170320T010602_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T014716_20170320T014816_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T023520_20170320T024040_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T024047_20170320T024053_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T024053_20170320T024100_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T024100_20170320T024310_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T032656_20170320T032719_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T041445_20170320T041940_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T041940_20170320T041944_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T041944_20170320T041952_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T041958_20170320T042009_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T055423_20170320T055908_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T055914_20170320T055923_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20170320T055929_20170320T060049_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T073412_20170320T073807_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T073812_20170320T073821_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T073828_20170320T074152_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T083208_20170320T083455_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T091236_20170320T091720_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T091726_20170320T092056_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T105225_20170320T105748_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T123153_20170320T123646_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T133259_20170320T133826_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T141359_20170320T141551_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T150755_20170320T151058_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T155250_20170320T155504_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T155545_20170320T160003_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T173041_20170320T173907_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T190945_20170320T191140_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOP_220170320T191230_20170320T191719_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T200019_20170320T200529_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T204912_20170320T204938_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T205150_20170320T205746_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T223058_20170320T223617_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. 29

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220170320T005946_20170320T010142_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T010149_20170320T010602_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T014716_20170320T014816_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T023520_20170320T024040_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T024053_20170320T024100_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T024100_20170320T024310_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T032656_20170320T032719_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T055423_20170320T055908_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T055929_20170320T060049_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T073412_20170320T073807_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T073812_20170320T073821_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T073828_20170320T074152_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T083208_20170320T083455_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T091236_20170320T091720_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T091726_20170320T092056_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T105225_20170320T105748_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T123153_20170320T123646_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T133259_20170320T133826_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T141359_20170320T141551_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T150755_20170320T151058_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T155250_20170320T155504_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T155545_20170320T160003_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T173041_20170320T173907_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T190945_20170320T191140_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T191230_20170320T191719_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T200019_20170320T200529_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T204912_20170320T204938_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T205150_20170320T205746_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170320T223058_20170320T223617_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: 157

6. GOP 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	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_GOP_1B	262	262	262	0	0
SIR_GOP_2	260	260	260	0	0

6.1 QCC Errors	
Number of products with QCC errors:	0
6.2 QCC Warnings	
Number of QCC reports with warnings	0
6.3 Missing QCC Reports	
Number of products with missing QCC reports:	0