



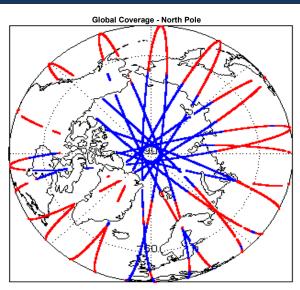
1. Overview

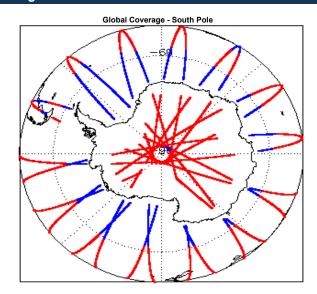
Report Production Date:	CryoSat Ocean Processor		
Processor Used:			
110000001 0000.	,		
Data Used:	Geophysical Ocean Products (GOP) L1B and L2 Science Data		

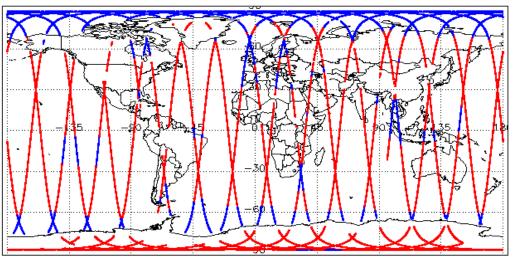
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement Confidence Data Check	See Section 4.5, 4.6, 5.5, 5.6, 5.7 and 5.8

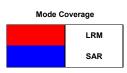
Mission / Instru	Mission / Instrument News		
12-Jul-2017	None		
13-Jul-2017	None		
14-Jul-2017	Nothing planned		

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:

 Product
 Test Failed
 Description

 CS_OFFL_SIR_GOP_1B_20170713T000324_20170713T001016_B001
 Power scaling error
 There is an error in the scaling of the L1B waveform for one or more records

 CS_OFFL_SIR_GOP_1B_20170713T132112_20170713T132546_B001
 Power scaling error
 There is an error in the scaling of the L1B waveform for one or more records

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:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_1B_20170713T000324_20170713T001016_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20170713T020550_20170713T020622_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20170713T065055_20170713T070031_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20170713T070237_20170713T071006_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20170713T102227_20170713T103933_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20170713T133028_20170713T133126_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20170713T164923_20170713T164946_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20170713T232003_20170713T232209_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20170713T232722_20170713T233440_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:

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_2_20170713T002333_20170713T002429_B001		There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) for one or more records
CS_OFFL_SIR_GOP_2_20170713T003754_20170713T003932_B001	Tedulibrium 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_20170713T015602_20170713T020549_B001	Total Geocentric Ocean Tide (FES), Non- 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_20170713T020550_20170713T020622_B001	Tedulibrium 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_20170713T021625_20170713T024037_B001	Total Geocentric Ocean Tide (FES), Non- 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_20170713T043641_20170713T050905_B001	TEQUILIDIUM LONG Period Ocean Line	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_20170713T070237_20170713T071006_B001	Total Geocentric Ocean Tide (FES), Non- 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_20170713T071013_20170713T071251_B001	TEGUIIDRIUM LONG PERIOG Ocean LIGE	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_20170713T093350_20170713T094847_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_20170713T105358_20170713T105449_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_20170713T161546_20170713T162041_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_20170713T164309_20170713T164413_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_20170713T164707_20170713T164900_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_20170713T182955_20170713T183805_B001	Tedulibrium 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_20170713T203801_20170713T205236_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_2_20170713T000324_20170713T001016_B001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220170713T132112_20170713T132546_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.

Number of products with errors:

CS_OFFL_SIR_GOP_2_20170713T01042_20170713T010595_B001 CS_OFFL_SIR_GOP_2_20170713T01042_20170713T010595_B001 CS_OFFL_SIR_GOP_2_20170713T01042_20170713T01035_B001 CS_OFFL_SIR_GOP_2_20170713T024352_20170713T024252_B001 CS_OFFL_SIR_GOP_2_20170713T024352_20170713T024252_B001 CS_OFFL_SIR_GOP_2_20170713T024352_20170713T024352_B001 CS_OFFL_SIR_GOP_2_20170713T024352_20170713T024252_B001 CS_OFFL_SIR_GOP_2_20170713T024352_20170713T024252_B001 CS_OFFL_SIR_GOP_2_20170713T024352_20170713T024252_B001 CS_OFFL_SIR_GOP_2_20170713T024352_20170713T024252_B001 CS_OFFL_SIR_GOP_2_20170713T024352_20170713T024252_B001 CS_OFFL_SIR_GOP_2_20170713T024352_20170713T024252_B001 CS_OFFL_SIR_GOP_2_20170713T024352_20170713T024252_B001 CS_OFFL_SIR_GOP_2_20170713T024552_20170713T024717_B001 CS_OFFL_SIR_GOP_2_20170713T024562_20170713T024525_B001 CS_OFFL_SIR_GOP_2_20170713T024562_20170713T024525_B001 CS_OFFL_SIR_GOP_2_20170713T024562_20170713T024525_B001 CS_OFFL_SIR_GOP_2_20170713T024562_20170713T03527_B001 CS_OFFL_SIR_GOP_2_20170713T024562_20170713T03527_B001 CS_OFFL_SIR_GOP_2_20170713T013T024562_B001 CS_OFFL_SIR_GOP_2_20170713T10452_20170713T10559_B001 CS_OFFL_SIR_GOP_2_20170713T10452_20170713T104562_B001 CS_OFFL_SIR_GOP_2_20170713T10452_20170713T104562_B001 CS_OFFL_SIR_GOP_2_20170713T10452_20170713T104562_B001 CS_OFFL_SIR_GOP_2_20170713T10452_20170713T104562_B001 CS_OFFL_SIR_GOP_2_20170713T10452_20170713T104562_B001 CS_OFFL_SIR_GOP_2_20170713T104502_20170713T144542_B001 CS_OFFL_SIR_GOP_2_20170713T10452_20170713T14453_B001 CS_OFFL_SIR_GOP_2_20170713T10452_20170713T14453_B001 CS_OFFL_SIR_GOP_2_20170713T10452_20170713T14453_B001 CS_OFFL_SIR_GOP_2_20170713T10452_20170713T14453_B001 CS_OFFL_SIR_GOP_2_20170713T14202_20170713T14453_B001 CS_OFFL_SIR_GOP_2_20170713T14202_20170713T14453_B001 CS_OFFL_SIR_GOP_2_20170713T14202_20170713T14245_B001 CS_OFFL_SIR_GOP_2_20170713T14203_20170713T14245_B001 CS_OFFL_SIR_GOP_2_20170713T14203_20170713T14245_B001 CS_OFFL_SIR_GOP_2_20170713T14203_20170713T14245_B001 CS_OFFL_SIR_GOP_2_2	Product	Test Failed	Description
toe Range Averaging Status Find Range Averaging Status Fin	CS_OFFL_SIR_GOP_220170713T010557_20170713T010935_B001	Ice Range Averaging Status	
SC_OFFL_SIR_GOP_2_20170713T04293_20170713T0429486_B001 ce Range Averaging Status The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range Averaging Status Flag has been set for one or more records. The Lee Range	CS_OFFL_SIR_GOP_220170713T010942_20170713T010950_B001	Ice Range Averaging Status	
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CS_OFFL_SIR_GOP_2_20170713T074502_20170713T094262_B001	CS_OFFL_SIR_GOP_220170713T042953_20170713T043123_B001	Ice Range Averaging Status	
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CS_OFFL_SIR_GOP_2_20170713T110249_20170713T110251_B001	CS_OFFL_SIR_GOP_220170713T092754_20170713T093127_B001	Ice Range Averaging Status	
CS_OFFL_SIR_GOP_2_20170713T110556_20170713T11028_B001	CS_OFFL_SIR_GOP_220170713T101821_20170713T101959_B001	Ice Range Averaging Status	
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CS_OFFL_SIR_GOP_2_20170713T192132_20170713T192546_B001 CS_OFFL_SIR_GOP_2_20170713T192133_20170713T210025_B001 Ice Range Averaging Status Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20170713T210031_20170713T210037_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOP_220170713T191923_20170713T192126_B001	Ice Range Averaging Status	
CS_OFFL_SIR_GOP_2_20170713T210025_B001 Ice Range Averaging Status records. The loe Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20170713T210025_20170713T210031_B001 Ice Range Averaging Status The loe Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20170713T210031_20170713T210037_B001 Ice Range Averaging Status The loe Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20170713T210031_20170713T210037_B001 Ice Range Averaging Status The loe Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20170713T210044_20170713T210252_B001 Ice Range Averaging Status The loe Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOP_220170713T192127_20170713T192133_B001	Ice Range Averaging Status	
CS_OFFL_SIR_GOP_2_20170713T210025_20170713T210031_B001 Ice Range Averaging Status records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20170713T210031_20170713T210037_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20170713T210044_20170713T210252_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOP_220170713T192133_20170713T192546_B001	Ice Range Averaging Status	
CS_OFFL_SIR_GOP_2_20170713T210035_20170713T210031_B001 Ice Range Averaging Status records. The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20170713T210044_20170713T210252_B001 Ice Range Averaging Status Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20170713T210044_20170713T210252_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOP_220170713T205505_20170713T210025_B001	Ice Range Averaging Status	
CS_OFFL_SIR_GOP_2_20170713T210031_20170713T210037_B001	CS_OFFL_SIR_GOP_2_20170713T210025_20170713T210031_B001	Ice Range Averaging Status	
CS_OFFL_SIR_GOP_2201707131210044_201707131210252_B001	CS_OFFL_SIR_GOP_2_20170713T210031_20170713T210037_B001	Ice Range Averaging Status	
US OFFI SIR GOP 2 201707131223431 201707131223925 BUUT IICE RANGE AVERAGING STATUS	CS_OFFL_SIR_GOP_2_20170713T210044_20170713T210252_B001	Ice Range Averaging Status	
	CS_OFFL_SIR_GOP_220170713T223431_20170713T223925_B001	Ice Range Averaging Status	

CS_OFFL_SIR_GOP_220170713T223929_20170713T223936_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20170713T223937_20170713T223942_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T223943_20170713T223953_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T224000_20170713T224117_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:

25

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220170713T010557_20170713T010935_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T010942_20170713T010950_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T010957_20170713T011303_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T024856_20170713T025222_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T042338_20170713T042921_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T042953_20170713T043123_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T060305_20170713T060815_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T074502_20170713T074717_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T092428_20170713T092625_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T092754_20170713T093127_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T110249_20170713T110551_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T110556_20170713T111028_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T124101_20170713T124925_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T142026_20170713T142147_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T142312_20170713T142727_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T160223_20170713T160805_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T174127_20170713T174638_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T191923_20170713T192126_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T192133_20170713T192546_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T205505_20170713T210025_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T210025_20170713T210031_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220170713T210044_20170713T210252_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20170713T223937_20170713T223942_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20170713T223943_20170713T223953_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20170713T224000_20170713T224117_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: 143

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	244	244	244	0	0
SIR_GOP_2	243	243	243	0	0

6.1 QCC Errors

Number of products with QCC errors:

C

6.2 QCC Warnings

6.3 Missing QCC Reports

Number of products with missing QCC reports:

0