

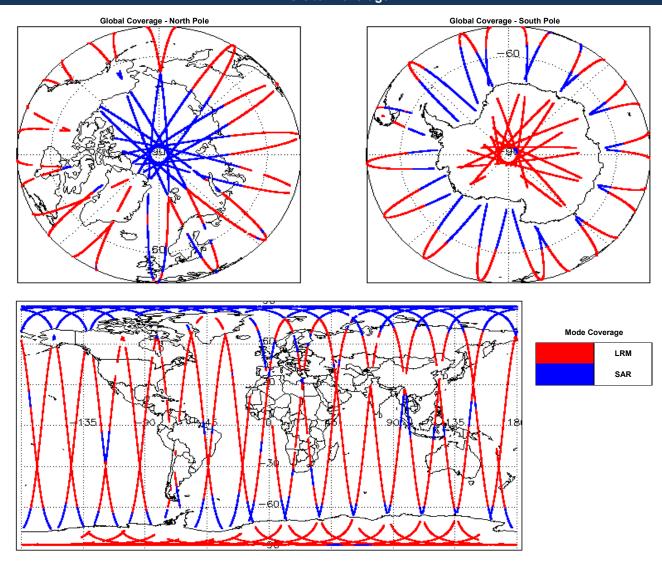
IDEAS+ Daily Report for GOP data:

<u>14/08/2016</u>

1. Overview			
Depart Deplection Date: 14 Can 2040		Check	Status
Report Production Date:	14-Sep-2016	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

Mission / Instrument News			
13-Aug-20	16 None		
14-Aug-20	16 None		
15-Aug-20	6 SAR and SARIn data missing on 15-Auq-2016 from 11:56:35 to 14:56:15 due to an unplanned ground segment anomaly		

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. 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 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.

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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_20160814T042802_20160814T043359_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_20160814T062645_20160814T062952_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_20160814T173458_20160814T174335_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_20160814T194420_20160814T201239_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.

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Number of products with errors:

CS_OFFL_SIR_GOP_1B_20160814T023236_20160814T023437_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T025414_20160814T03058_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T030525_20160814T033232_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T053532_20160814T053732_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T061409_20160814T061506_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T061541_20160814T061506_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T061541_20160814T02158_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T101813_20160814T102158_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T11013_20160814T11006_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T112530_20160814T11006_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T112530_20160814T1142850_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T11414112450_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T141414141414141414142850_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T	Product	Test Failed	Description
CS_OFFL_SIR_GOP_1B_20160814T03025_20160814T032323_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T053532_20160814T0653732_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T061409_20160814T061506_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T061541_20160814T061506_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T061541_20160814T061218_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T01813_20160814T094121_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T101813_20160814T102158_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T110235_20160814T11006_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T112153_20160814T1106_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T11253_20160814T11006_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T1253_20160814T142850_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T14222_20160814T143958_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T16104_20160814T16320_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_2016081	CS_OFFL_SIR_GOP_1B_20160814T023236_20160814T023437_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160814T053732_20160814T053732_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T061409_20160814T061506_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T061541_20160814T062018_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T093333_20160814T094121_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T101813_20160814T102158_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T110235_20160814T11026_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T11253_20160814T1106_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T11253_20160814T115659_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T11253_20160814T130019_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T1411414141420160814T14280_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T143222_20160814T143958_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T163334_20160814T163306_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_20160814T16104_20160814T161821_B001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOP_1B_	CS_OFFL_SIR_GOP_1B_20160814T025414_20160814T030058_B001	Loss of Echo	The tracking echo is missing for one or more records
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	CS_OFFL_SIR_GOP_1B_20160814T161104_20160814T161821_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160814T214355_20160814T214445_B001 Loss of Echo The tracking echo is missing for one or more records	CS_OFFL_SIR_GOP_1B_20160814T184645_20160814T184908_B001	Loss of Echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_GOP_1B_20160814T214355_20160814T214445_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160814T224349_20160814T225250_B001 Loss of Echo The tracking echo is missing for one or more records	CS_OFFL_SIR_GOP_1B_20160814T224349_20160814T225250_B001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOP_1B_20160814T235227_20160815T002402_B001 Loss of Echo The tracking echo is missing for one or more records	CS_OFFL_SIR_GOP_1B_20160814T235227_20160815T002402_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: 0

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.

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220160814T011440_20160814T011535_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_220160814T023437_20160814T024359_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_220160814T025414_20160814T030059_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_220160814T030525_20160814T032323_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_220160814T041141_20160814T041956_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_220160814T092353_20160814T092634_B001	Geoid Height	There is an error with the Geoid height for one or more records
CS_OFFL_SIR_GOP_220160814T092635_20160814T092945_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_220160814T094535_20160814T101813_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_220160814T110235_20160814T111007_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_220160814T130019_20160814T131453_B001	Geoid height	There is an error with the Geoid height for one or more records
CS_OFFL_SIR_GOP_220160814T163311_20160814T163826_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	more records
CS_OFFL_SIR_GOP_220160814T193705_20160814T194328_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_220160814T194420_20160814T201239_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_220160814T235227_20160815T002402_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

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: 4

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220160814T042802_20160814T043359_B001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220160814T062645_20160814T062952_B001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220160814T173458_20160814T174335_B001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220160814T194420_20160814T201239_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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220160814T002904_20160814T003108_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T020818_20160814T021017_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T021131_20160814T021518_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T030209_20160814T030327_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T034629_20160814T035420_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T052455_20160814T052706_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T052726_20160814T053310_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T061541_20160814T062018_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T070417_20160814T070530_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T070704_20160814T071131_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T084615_20160814T085150_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T102518_20160814T103029_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T120240_20160814T120517_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T120517_20160814T120523_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T120523_20160814T120531_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T120531_20160814T120533_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOP_220160814T120534_20160814T120933_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T124943_20160814T125156_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T133857_20160814T134415_B001		The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T134428_20160814T134434_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T151822_20160814T152326_B001		The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T152327_20160814T152333_B001		The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T152333_20160814T152344_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T152351_20160814T152506_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T165819_20160814T170243_B001		The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T170249_20160814T170258_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T170304_20160814T170442_B001		The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T183636_20160814T184156_B001		The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T184203_20160814T184527_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T201624_20160814T202433_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T215603_20160814T220123_B001		The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T233658_20160814T234022_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 28

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220160814T002904_20160814T003108_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T020818_20160814T021017_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T021131_20160814T021518_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T030209_20160814T030327_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T034629_20160814T035420_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T052455_20160814T052706_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T052726_20160814T053310_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T061541_20160814T062018_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T070417_20160814T070530_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T070704_20160814T071131_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T102518_20160814T103029_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T120240_20160814T120517_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T120517_20160814T120523_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T120531_20160814T120533_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T120534_20160814T120933_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T134428_20160814T134434_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T151822_20160814T152326_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T152327_20160814T152333_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T152333_20160814T152344_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T152351_20160814T152506_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T165819_20160814T170243_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T170249_20160814T170258_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T170304_20160814T170442_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T183636_20160814T184156_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T184203_20160814T184527_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T201624_20160814T202433_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220160814T215603_20160814T220123_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.

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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: