

IDEAS+ Daily Report for GOP data:

24/07/2018



		1. Overview		
		Check	L1 & L2	P2P
Report Production:	24-Aug-2018	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Durana and the state	On a Dat Octor Datasa	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	Product Format Check	Nominal	Nominal
Data Oscu.	L1B, L2 & P2P Science Data	Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	Nominal	Nominal
		Measurement Confidence Data Check Range, SWH & Backscatter Measurement Check	See Section 4.5, 4.6 and 5.5 See Section 5.6, 5.7	See Section 6.5 See Section 6.6, 6.7
		Ocean Retracking Quality Check	See Section 5.8	See Section 6.8
Mission / Instrument N 23-Jul-2018 None 24-Jul-2018 None 25-Jul-2018 Nothing	ews planned	2. Global Coverage		
				Mode Coverage LRM SAR SARIn

3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL - A

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SIRAL instrument(s) in use:

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 binary product file (.DBL).

Number of products with errors:

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 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 for each measurement record. The bit value of this flag indicates any problems when set.

Attitude Correction Missing: This flag is currently set in error for GOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

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Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180724T035159_20180724T040650_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more
CS_OFFL_SIR_GOPM1B_20180724T042101_20180724T043437_C001	Fower scaling error	records There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20180724T051310_20180724T054526_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more
CS_OFFL_SIR_GOPM1B_20180724T185601_20180724T190053_C001	Power scaling error	records There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20180724T191747_20180724T192043_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more record

4.6 L1B Waveform Group Data Check

CryoSat L1B data includes a waveform data flag 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 some 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_GOPM1B_20180724T035159_20180724T040650_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180724T150840_20180724T152340_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180724T163016_20180724T163221_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180724T041152_20180724T041404_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180724T055746_20180724T055819_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180724T141721_20180724T141731_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180724T155202_20180724T155237_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180724T173120_20180724T173242_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180724T173245_20180724T173623_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180724T221158_20180724T221352_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180724T222048_20180724T222146_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180724T221124_20180724T221158_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180724T230925_20180724T231300_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180724T235128_20180724T235201_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180724T235340_20180724T235646_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180724T235646_20180725T000111_C001	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 binary 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:

5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descrip	tors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.
Number of products with errors:	0

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).

Number of products with errors:

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors: 5		
Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180724T035159_20180724T040650_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20180724T042101_20180724T043437_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20180724T051310_20180724T054526_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

CS_OFFL_SIR_GOPM_2_20180724T191747_20180724T192043_C001

Power scaling error

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 and Ice 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.

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Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180724T000644_20180724T000804_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T000811_20180724T001218_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T001723_20180724T002725_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T002913_20180724T003624_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T010344_20180724T013857_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T014144_20180724T014702_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T014722_20180724T015007_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T015803_20180724T022812_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T024852_20180724T030120_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T030325_20180724T031820_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T032057_20180724T032559_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T033521_20180724T034540_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T035159_20180724T040650_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T043902_20180724T044145_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T044324_20180724T045655_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T050010_20180724T050510_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T051310_20180724T054526_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T061322_20180724T063533_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T064055_20180724T064427_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T065139_20180724T071701_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T075148_20180724T081539_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T081838_20180724T082340_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T082348_20180724T082715_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T083131_20180724T084149_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T084726_20180724T090454_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T091713_20180724T092356_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T095025_20180724T095446_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T095836_20180724T100412_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T101139_20180724T104417_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T104448_20180724T104548_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T104607_20180724T104709_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T105630_20180724T105814_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T111641_20180724T113241_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T113758_20180724T114307_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T115000_20180724T122542_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T123539_20180724T123625_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T123631_20180724T123727_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T125258_20180724T131036_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T132008_20180724T132210_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T132945_20180724T134838_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T135111_20180724T140539_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T141757_20180724T143610_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20180724T143914_20180724T145113_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T150231_20180724T150622_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T150840_20180724T152340_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T152542_20180724T153504_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T155614_20180724T155656_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T155723_20180724T161424_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T163016_20180724T163221_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T163728_20180724T164523_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T164821_20180724T170246_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T173957_20180724T181226_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T181831_20180724T182412_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T182820_20180724T185209_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T192347_20180724T193505_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T194041_20180724T195107_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T195807_20180724T200238_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T200712_20180724T203325_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T203819_20180724T204421_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T205754_20180724T212922_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T214611_20180724T215038_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T222147_20180724T222410_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T223634_20180724T230925_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T231620_20180724T232133_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T232644_20180724T234316_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180724T005153_20180724T005554_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180724T064443_20180724T064449_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180724T150622_20180724T150802_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180724T163407_20180724T163728_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180724T044145_20180724T044324_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180724T045656_20180724T045814_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180724T084150_20180724T084726_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180724T095446_20180724T095721_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180724T122543_20180724T123259_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180724T212922_20180724T213342_C001	Ocean Range Averaging Status	The Ocean 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 and an Ocean and Ice 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. 72

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180724T000811_20180724T001218_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T001723_20180724T002725_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T002913_20180724T003624_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T010344_20180724T013857_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T014144_20180724T014702_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T015803_20180724T022812_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T024852_20180724T030120_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T030325_20180724T031820_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T032057_20180724T032559_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180724T033521_20180724T034540_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

CS_OFFL_SIR_GOPM_2_20180724T035159_20180724T040650_C001 CS_OFFL_SIR_GOPM_2_20180724T043902_20180724T044145_C001 CS_OFFL_SIR_GOPM_2_20180724T044324_20180724T045655_C001 CS_OFFL_SIR_GOPM_2_20180724T050010_20180724T050510_C001 CS OFFL SIR GOPM 2 20180724T051310 20180724T054526 C001 CS_OFFL_SIR_GOPM_2_20180724T061322_20180724T063533_C001 CS OFFL SIR GOPM 2 20180724T064055 20180724T064427 C001 CS OFFL SIR GOPM 2 20180724T065139 20180724T071701 C001 CS_OFFL_SIR_GOPM_2_20180724T075148_20180724T081539_C001 CS_OFFL_SIR_GOPM_2_20180724T081838_20180724T082340_C001 CS OFFL SIR GOPM 2 20180724T082348 20180724T082715 C001 CS_OFFL_SIR_GOPM_2_20180724T083131_20180724T084149_C001 CS OFFL SIR GOPM 2 20180724T084726 20180724T090454 C001 CS_OFFL_SIR_GOPM_2_20180724T091713_20180724T092356_C001 CS_OFFL_SIR_GOPM_2_20180724T095025_20180724T095446_C001 CS OFFL SIR GOPM 2 20180724T095836 20180724T100412 C001 CS OFFL SIR GOPM 2 20180724T101139 20180724T104417 C001 CS_OFFL_SIR_GOPM_2_20180724T104448_20180724T104548_C001 CS OFFL SIR GOPM 2 20180724T104607 20180724T104709 C001 CS_OFFL_SIR_GOPM_2_20180724T105630_20180724T105814_C001 CS_OFFL_SIR_GOPM_2_20180724T111641_20180724T113241_C001 CS OFFL SIR GOPM 2 20180724T113758 20180724T114307 C001 CS_OFFL_SIR_GOPM_2_20180724T115000_20180724T122542_C001 CS OFFL SIR GOPM 2 20180724T123539 20180724T123625 C001 CS OFFL SIR GOPM 2 20180724T125258 20180724T131036 C001 CS OFFL SIR GOPM 2 20180724T132008 20180724T132210 C001 CS_OFFL_SIR_GOPM_2_20180724T132945_20180724T134838_C001 CS_OFFL_SIR_GOPM_2_20180724T135111_20180724T140539_C001 CS_OFFL_SIR_GOPM_2_20180724T141757_20180724T143610_C001 CS OFFL SIR GOPM 2 20180724T143914 20180724T145113 C001 CS_OFFL_SIR_GOPM_2_20180724T150231_20180724T150622_C001 CS_OFFL_SIR_GOPM_2_20180724T150840_20180724T152340_C001 CS OFFL SIR GOPM 2 20180724T152542 20180724T153504 C001 CS_OFFL_SIR_GOPM_2_20180724T155614_20180724T155656_C001 CS_OFFL_SIR_GOPM_2_20180724T155723_20180724T161424_C001 CS OFFL SIR GOPM 2 20180724T163728 20180724T164523 C001 CS_OFFL_SIR_GOPM_2_20180724T164821_20180724T170246_C001 CS_OFFL_SIR_GOPM_2_20180724T173957_20180724T181226_C001 CS OFFL SIR GOPM 2 20180724T181831 20180724T182412 C001 CS OFFL SIR GOPM 2 20180724T182820 20180724T185209 C001 CS_OFFL_SIR_GOPM_2_20180724T192347_20180724T193505_C001 CS OFFL SIR GOPM 2 20180724T194041 20180724T195107 C001 CS_OFFL_SIR_GOPM_2_20180724T195807_20180724T200238_C001 CS OFFL SIR GOPM 2 20180724T200712 20180724T203325 C001 CS_OFFL_SIR_GOPM_2_20180724T203819_20180724T204421_C001 CS_OFFL_SIR_GOPM_2_20180724T205754_20180724T212922_C001 CS OFFL SIR GOPM 2 20180724T213717 20180724T214252 C001 CS_OFFL_SIR_GOPM_2_20180724T214611_20180724T215038_C001 CS_OFFL_SIR_GOPM_2_20180724T222147_20180724T222410_C001 CS OFFL SIR GOPM 2 20180724T223634 20180724T230925 C001 CS_OFFL_SIR_GOPM_2_20180724T231620_20180724T232133_C001 SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

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Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

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more records. The SWH and Ocean Averaging Status Flags have been set for one or more records.

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The Ice Backscatter Averaging Status Flag has been set for one or more records.

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The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

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The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

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The Ice Backscatter Averaging Status Flag has been set for one or more records.

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The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

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The Ice Backscatter Averaging Status Flag has been set for one or more records.

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The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20180724T232644_20180724T234316_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180724T005153_20180724T005554_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180724T064443_20180724T064449_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180724T150622_20180724T150802_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180724T163407_20180724T163728_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180724T044145_20180724T044324_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180724T045656_20180724T045814_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180724T084150_20180724T084726_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180724T095446_20180724T095721_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180724T122543_20180724T123259_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180724T212922_20180724T213342_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

5.8 L2 Ocean Retracking Quality Check

CryoSat L2 data includes an ocean retracking quality flag 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: 57

6. GOP L2 Pole-to-Pole Data Quality Check

6.1 P2P 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 NetCDF product file (.nc). Number of products with errors: 0

6.2 P2P 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:

6.3 P2P 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. Number of products with errors: 0

6.4 P2P Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).

5

Number of products with errors:

6.5 P2P Measurement Confidence Data Check

CryoSat P2P data includes a measurement confidence flag 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_220180724T032619_20180724T041554_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_2_20180724T041554_20180724T050533_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_2_20180724T050533_20180724T055508_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_2_20180724T181922_20180724T190857_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220180724T190857_20180724T195835_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Range Measurement Check

CryoSat P2P data includes an Ocean and Ice 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 P2P 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. 30

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20180723T231814_20180724T000752_C002	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T000752_20180724T005727_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T005727_20180724T014706_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T014706_20180724T023641_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T023641_20180724T032619_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T032619_20180724T041554_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T041554_20180724T050533_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180724T050533_20180724T055508_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOP_2_20180724T084446_20180724T073422_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T082400_20180724T091335_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T00314_20180724T100314_20101 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T100314_20180724T105249_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T103249_20180724T114227_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T132141_20180724T1123202_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T132141_20180724T11312141_20180724T11116_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T18054_20180774T132141_20180724T11116_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T164008_20180774T118024_20180774T18024_20180774T18024_20180774T18024	CS_OFFL_SIR_GOP_220180724T055508_20180724T064446_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFF_SIR_GOP_2_2018072410342_20180724102340_2001 Range Averaging Status or more records. CS_OFF_SIR_GOP_2_20180724102340_20180724102335_201807241100314_C001 Ocean Range Averaging Status The Ocean Range Averaging Status CS_OFF_SIR_GOP_2_201807241100314_201807241105249_C001 Ocean Range Averaging Status The Ocean Range Averaging Status CS_OFF_SIR_GOP_2_201807241105249_201807241105249_C001 Ocean Range Averaging Status The Ocean Range Averaging Status CS_OFF_SIR_GOP_2_201807241105249_20180724114227_C001 Ocean Range Averaging Status The Ocean Range Averaging Status CS_OFF_SIR_GOP_2_20180724114227_20180724114227_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFF_SIR_GOP_2_20180724114221_201807241142202_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFF_SIR_GOP_2_201807241132141_201807241132141_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFF_SIR_GOP_2_201807241132141_201807241132141_C001 Ocean Range Averaging Status Flag has been set for one or more records. CS_OFF_SIR_GOP_2_201807241132141_201807241132141_C001 Ocean Range Averaging Status The Ocean and Lee Range Averaging Status Flag has been set for one or more records. CS_OFF_SIR_GOP_2_201807241140408_20180724115029_C001 <td>CS_OFFL_SIR_GOP_220180724T064446_20180724T073422_C001</td> <td>Ocean Range Averaging Status</td> <td></td>	CS_OFFL_SIR_GOP_220180724T064446_20180724T073422_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOP_2_201807/241082400_201807/24109135_2001 Ocean Range Averaging Status records. CS_OFFL_SIR_GOP_2_20180724T10314_20180724T100314_2001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T10314_20180724T105249_20180724T114227_001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T114227_20180724T114227_001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T123202_0180724T132141_001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T132141_0180724T141116_001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T132141_0180724T150054_001 Ocean Range Averaging Status Ice range A	CS_OFFL_SIR_GOP_220180724T073422_20180724T082400_C001	0 0 0	
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CS_OFFL_SIR_GOP_2_20180724T1003F4_20180724T114227_C001 Ocean Range Averaging Status feage A	CS_OFFL_SIR_GOP_220180724T091335_20180724T100314_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOP_2_201807241105249_01807241114227_0001 Range Averaging Status or more records. CS_OFFL_SIR_GOP_2_20180724T114227_20180724T123202_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T132141_20180724T132141_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T132141_20180724T141116_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T150054_20180724T150054_C001 Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T155029_20180724T155029_C001 Coean Range Averaging Status The Ocean and loc Range Averaging Status Flag have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T156029_20180724T156029_20180724T164008_C001 Ocean Range Averaging Status The Ocean and loc Range Averaging Status Flag have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T164008_20180724T172943_C001 Ocean Range Averaging Status Flag have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T164008_20180724T181922_C001 Ocean Range Averaging Status, lee	CS_OFFL_SIR_GOP_220180724T100314_20180724T105249_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOP_2_20180724T14222_20180724T132141_C001 Ocean Range Averaging Status records. CS_OFFL_SIR_GOP_2_20180724T12320_20180724T132141_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T132141_20180724T141116_C001 Ocean Range Averaging Status The Ocean and lce Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T141116_20180724T150054_C001 Ocean Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging Status Flag Coep_2_20180724T150054_20180724T155029_C001 Ocean Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T164008_20180724T150029_C001 Ocean Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T164008_20180724T172943_C001 Ocean Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T164008_20180724T181922_C001 Ocean Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T181922_20180724T190857_C001 Ocean Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T190857_20180724T196835_C001 Ocean Range Averaging Status Ice Range Averaging S	CS_OFFL_SIR_GOP_220180724T105249_20180724T114227_C001		
CS_OFFL_SIR_GOP_2_201807241123202_201807241132141_2001 Ocean Range Averaging Status records. CS_OFFL_SIR_GOP_2_20180724T132141_20180724T141116_C001 Ocean Range Averaging Status, lce Range Averaging Status, lce Range Averaging Status, lce Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T150054_20180724T150054_C001 Ocean Range Averaging Status, Ice Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T150054_20180724T155029_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T155029_20180724T155029_2011 Ocean Range Averaging Status The Ocean Range Averaging Status CS_OFFL_SIR_GOP_2_20180724T172943_20180724T181922_C001 Ocean Range Averaging Status The Ocean Range Averaging Status CS_OFFL_SIR_GOP_2_20180724T181922_20180724T181922_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T181922_20180724T181922_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T181922_20180724T199857_C001 Ocean Range Averaging Status, Ice Range Averaging Status, Ice The Ocean and Ice Range Ave	CS_OFFL_SIR_GOP_220180724T114227_20180724T123202_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOP_2_20180724T13141_20180724T1310054_C001Ocean Range Averaging Statusrecords.CS_OFFL_SIR_GOP_2_20180724T150054_20180724T150054_C001Coean Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T150054_20180724T155029_C001Ocean Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T155029_20180724T164008_C001Ocean Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T164008_20180724T172943_C001Ocean Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T172943_20180724T181922_C001Ocean Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T181922_20180724T190857_C001Ocean Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T190857_20180724T195835_C001Ocean Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T195835_20180724T195835_C001Ocean Range Averaging Status, Ice Range Averaging Status	CS_OFFL_SIR_GOP_220180724T123202_20180724T132141_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOP_2_201807241141116_201807241150054_c001Range Averaging Statusor more records.CS_OFFL_SIR_GOP_2_201807241150054_201807241155029_c001Ocean Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_201807241164008_201807241172943_c001Ocean Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_201807241164008_201807241172943_c001Ocean Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_201807241181922_201807241181922_c001Ocean Range Averaging StatusThe Ocean Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_201807241181922_201807241181922_c001Ocean Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_201807241190857_c001Ocean Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_201807241190857_201807241195835_c001Ocean Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_201807241195835_201807241195835_c001Ocean Range Averaging Status, Ice Range Averaging	CS_OFFL_SIR_GOP_220180724T132141_20180724T141116_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOP_2_20180724T150054_20180724T164008_C001 Range Averaging Status or more records. CS_OFFL_SIR_GOP_2_20180724T164008_20180724T164008_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T164008_20180724T172943_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T172943_20180724T181922_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T181922_20180724T190857_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T190857_20180724T190857_20180724T190857_20180724T195835_C001 Ocean Range Averaging Status Ice Range Averaging Status, Ice Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T195835_20180724T195835_20180724T204810_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T204810_20180724T213749_2010 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T213749_20180724T222724_C001 Ocean Range Averaging Status The Ocean a	CS_OFFL_SIR_GOP_220180724T141116_20180724T150054_C001		5 5 5 C
CS_OFFL_SIR_GOP_2_20180724T164008_20180724T172943_C001Ocean Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T172943_20180724T181922_C001Ocean Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T181922_20180724T181922_C001Ocean Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T181922_20180724T190857_C001Ocean Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T190857_20180724T195835_C001Ocean Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T195835_20180724T204810_C001Ocean Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T204810_20180724T213749_C001Ocean Range Averaging StatusThe Ocean Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T204810_20180724T222724_C001Ocean Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T213749_20180724T22724_C	CS_OFFL_SIR_GOP_220180724T150054_20180724T155029_C001		5 5 5 C
CS_OFFL_SIR_GOP_2_20180724T172943_20180724T181922_C001Range Averaging Statusor more records.CS_OFFL_SIR_GOP_2_20180724T172943_20180724T181922_C001Ocean Range Averaging StatusThe Ocean Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T181922_20180724T190857_C001Ocean Range Averaging Status (CS_OFFL_SIR_GOP_2_20180724T190857_20180724T195835_C001)Ocean Range Averaging Status (CS_OFFL_SIR_GOP_2_20180724T190857_20180724T195835_C001)Ocean Range Averaging Status (CS_OFFL_SIR_GOP_2_20180724T195835_20180724T204810_C001)Ocean Range Averaging Status (CS_OFFL_SIR_GOP_2_20180724T204810_20180724T213749_C001)Ocean Range Averaging Status (CS_OFFL_SIR_GOP_2_20180724T204810_20180724T213749_C001)Ocean Range Averaging StatusThe Ocean and Ice Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T204810_20180724T213749_C001Ocean Range Averaging StatusThe Ocean Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T204810_20180724T22724_C001Ocean Range Averaging Status (CER Range Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T204810_20180724T22724_C001Ocean Range Averaging Status (CER Range Averaging Status Flag have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T22724_20180724T22724_20180724T222724_C001Ocean Range Averaging Status (CER Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T222724_20180724T222724_20180724T222724_20180724T22724_20180724T22724_20180724T2237002_C001Ocean Range Averaging Status (CER Range Averaging Status Flags have been set for one or more records.CS_OFFL_SIR_GOP_2_20180724T222724_2	CS_OFFL_SIR_GOP_220180724T155029_20180724T164008_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOP_2_20180724T19243_20180724T190857_C001 Ocean Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T190857_20180724T195835_C001 Ocean Range Averaging Status (CE Range Averaging Status) The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T195835_20180724T195835_20180724T204810_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T204810_20180724T213749_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T204810_20180724T222724_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T213749_20180724T222724_C001 Ocean Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T222724_20180724T222724_C001 Ocean Range Averaging Status, Ice Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T222724_20180724T223702_C001 Ocean Range Averaging Status, Ice Range Averaging Status The Ocean and Ice Range Averaging Status Flags	CS_OFFL_SIR_GOP_220180724T164008_20180724T172943_C001		or more records.
CS_OFFL_SIR_GOP_2_20180724T190857_20180724T190857_C001 Range Averaging Status or more records. CS_OFFL_SIR_GOP_2_20180724T190857_20180724T195835_C001 Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T195835_20180724T204810_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T204810_20180724T213749_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T204810_20180724T213749_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T213749_20180724T222724_C001 Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T222724_20180724T222724_C001 Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T222724_20180724T223702_C001 Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T222724_20180724T223702_C001 Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_GOP_220180724T172943_20180724T181922_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOP_2_20180724T190837_20180724T204810_C001 Range Averaging Status or more records. CS_OFFL_SIR_GOP_2_20180724T195835_20180724T204810_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T204810_20180724T213749_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T213749_20180724T222724_C001 Ocean Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T222724_20180724T222724_C001 Ocean Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T222724_20180724T222724_20180724T223702_C001 Ocean Range Averaging Status, Ice Range Averaging Status, Ice Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T222724_20180724T223702_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T222724_20180724T223702_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_GOP_220180724T181922_20180724T190857_C001		
CS_OFFL_SIR_GOP_2_20180724T204810_20180724T213749_C001 Range Averaging Status or more records. CS_OFFL_SIR_GOP_2_20180724T204810_20180724T213749_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T213749_20180724T222724_C001 Ocean Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T222724_20180724T2231702_C001 Ocean Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T222724_20180724T231702_C001 Ocean Range Averaging Status, Ice Range Averaging Status, Ice Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T222724_20180724T231702_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T222724_20180724T231702_20180724T23	CS_OFFL_SIR_GOP_220180724T190857_20180724T195835_C001	Range Averaging Status	
CS_OFFL_SIR_GOP_2_20180724T204810_20180724T222724_C001 Ocean Range Averaging Status records. CS_OFFL_SIR_GOP_2_20180724T223749_20180724T222724_C001 Ocean Range Averaging Status, Ice Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T222724_20180724T223702_C001 Ocean Range Averaging Status, Ice Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T223702_20180724T223702_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T223702_20180724T223702_C002 Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_GOP_220180724T195835_20180724T204810_C001		or more records.
CS_OFFL_SIR_GOP_2_20180724T222724_20180724T22174_2001 Range Averaging Status or more records. CS_OFFL_SIR_GOP_2_20180724T222724_20180724T231702_C001 Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T222724_20180724T231702_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20180724T231702_20180724T231702_C001 Ocean Range Averaging Status The Ocean and Ice Range Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_GOP_220180724T204810_20180724T213749_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOP_2_20180/241222/24_20180/2412231/02_C001 Range Averaging Status or more records.	CS_OFFL_SIR_GOP_220180724T213749_20180724T222724_C001	Range Averaging Status	
	CS_OFFL_SIR_GOP_220180724T222724_20180724T231702_C001	Range Averaging Status	or more records.
	CS_OFFL_SIR_GOP_220180724T231702_20180725T000638_C002		

6.7 P2P SWH and Backscatter Measurement Check

CryoSat P2P data includes a SWH Averaging Status flag and an Ocean and Ice 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 P2P 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. 30

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20180723T231814_20180724T000752_C002	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180724T000752_20180724T005727_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180724T005727_20180724T014706_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T014706_20180724T023641_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T023641_20180724T032619_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180724T032619_20180724T041554_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T041554_20180724T050533_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T050533_20180724T055508_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T055508_20180724T064446_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T064446_20180724T073422_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T073422_20180724T082400_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T082400_20180724T091335_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T091335_20180724T100314_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T100314_20180724T105249_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180724T105249_20180724T114227_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

CS_OFFL_SIR_GOP_220180724T114227_20180724T123202_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180724T123202_20180724T132141_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180724T132141_20180724T141116_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180724T141116_20180724T150054_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T150054_20180724T155029_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180724T155029_20180724T164008_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T164008_20180724T172943_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180724T172943_20180724T181922_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180724T181922_20180724T190857_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180724T190857_20180724T195835_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180724T195835_20180724T204810_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180724T204810_20180724T213749_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180724T213749_20180724T222724_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180724T222724_20180724T231702_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T231702_20180725T000638_C002	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

6.8 P2P Ocean Retracking Quality Check

Cryosat P2P 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: 28

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180724T000752_20180724T005727_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180724T005727_20180724T014706_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180724T014706_20180724T023641_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180724T023641_20180724T032619_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180724T032619_20180724T041554_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180724T041554_20180724T050533_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180724T050533_20180724T0555508_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T055508_20180724T064446_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T064446_20180724T073422_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T073422_20180724T082400_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T082400_20180724T091335_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T091335_20180724T100314_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T100314_20180724T105249_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180724T105249_20180724T114227_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180724T114227_20180724T123202_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T123202_20180724T132141_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T132141_20180724T141116_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T141116_20180724T150054_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T150054_20180724T155029_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T155029_20180724T164008_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T172943_20180724T181922_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T181922_20180724T190857_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180724T190857_20180724T195835_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180724T195835_20180724T204810_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180724T204810_20180724T213749_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
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CS_OFFL_SIR_GOP_220180724T213749_20180724T222724_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180724T222724_20180724T231702_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180724T231702_20180725T000638_C002	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.