

IDEAS+ Daily Report for GOP data:

30/06/2018



		1. Overview		
		Check	L1 & L2	P2P
port Production:	30-Jul-2018	Check Server check: science-pds.cryosat.esa.int	L1 & L2 Nominal	Nominal
		Server check: science-pos.cryosat.esa.int Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
ocessor Used:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
	Geophysical Ocean Products (GOP)	Product Software Check	Nominal	Nominal
Data Used:	L1B, L2 & P2P Science Data	Product Header Analysis	See Section 5.2	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Data The Usage Check Auxiliary Correction Error Check	Nominal	Nominal
		Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
		Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7	See Section 6.6, 6.
		Ocean Retracking Quality Check	See Section 5.8	See Section 6.8
			dee dection 3.5	
ion / Instrument Ne	ews			
Jun-2018 None				
Jun-2018 None				
I-Jul-2018 Nothing	planned			
		2. Global Coverage		
				Inde Coverage

3. Instrument Configuration

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

SIRAL - A

0

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	e-determined baseline and also to c	heck the validity of Auxiliary Data Files is correct.		
Number of products with errors: 0				
4.4 L1B Auxiliary Correction Error Check				
CryoSat L1B data includes a correction error flag for each measurement record	d. The bit value of this flag indicates	s any problems when set.		
Number of products with errors: 0				
4.5 L1B Measurement Confidence Data Check CryoSat L1B data includes a measurement confidence flag for each measurem Attitude Correction Missing: This flag is currently set in error for GOPR prod		o		
Number of products with errors: 2				
Product	Test Failed	Description		
CS_OFFL_SIR_GOPM1B_20180630T072037_20180630T075437_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records		
CS OFFL SIR GOPM1B 20180630T210304 20180630T210817 C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more		

Power scaling error

records

4.6 L1B Waveform Group Data Check

CS_OFFL_SIR_GOPM1B_20180630T210304_20180630T210817_C001

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.

11

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180630T112727_20180630T112818_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180630T012332_20180630T012501_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180630T044106_20180630T044212_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180630T061649_20180630T062201_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180630T085624_20180630T085743_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180630T093211_20180630T093716_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180630T113524_20180630T113716_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180630T193953_20180630T194438_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180630T051051_20180630T051230_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180630T224303_20180630T224441_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180630T225357_20180630T230146_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:

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:

Product	Test Failed
CS_OFFL_SIR_GOPR_2_20180630T181253_20180630T181255_C001	Percentage of processing errors detected greater than minimum acceptable threshold.

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. 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).

2

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:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180630T072037_20180630T075437_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_20180630T210304_20180630T210817_C001	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.

74

Test Failed

Product CS OFFL SIR GOPM 2 20180629T235625 20180630T002945 C001 CS_OFFL_SIR_GOPM_2_20180630T003613_20180630T004126_C001 CS OFFL SIR GOPM 2 20180630T004529 20180630T010309 C001 CS OFFL SIR GOPM 2 20180630T012109 20180630T012120 C001 CS OFFL SIR GOPM 2 20180630T013401 20180630T020807 C001 CS OFFL SIR GOPM 2 20180630T021630 20180630T022027 C001 CS_OFFL_SIR_GOPM_2_20180630T022511_20180630T025128_C001 CS_OFFL_SIR_GOPM_2_20180630T025143_20180630T025846_C001 CS OFFL SIR GOPM 2 20180630T030016 20180630T030300 C001 CS_OFFL_SIR_GOPM_2_20180630T031116_20180630T032551_C001 CS_OFFL_SIR_GOPM_2_20180630T033158_20180630T034744_C001 CS OFFL SIR GOPM 2 20180630T040550 20180630T041850 C001 CS_OFFL_SIR_GOPM_2_20180630T042105_20180630T043458_C001 CS OFFL SIR GOPM 2 20180630T043524 20180630T043756 C001 CS OFFL SIR GOPM 2 20180630T050026 20180630T051051 C001 CS OFFL SIR GOPM 2 20180630T051231 20180630T052634 C001 CS OFFL SIR GOPM 2 20180630T052918 20180630T053422 C001 CS_OFFL_SIR_GOPM_2_20180630T054254_20180630T054352_C001 CS OFFL SIR GOPM 2 20180630T055134 20180630T055453 C001 CS_OFFL_SIR_GOPM_2_20180630T060156_20180630T060443_C001 CS_OFFL_SIR_GOPM_2_20180630T060606_20180630T061311_C001 CS_OFFL_SIR_GOPM_2_20180630T064453_20180630T070513_C001 CS OFFL SIR GOPM 2 20180630T071400 20180630T071554 C001 CS_OFFL_SIR_GOPM_2_20180630T072037_20180630T075437_C001 CS_OFFL_SIR_GOPM_2_20180630T082031_20180630T084448_C001 CS OFFL SIR GOPM 2 20180630T084726 20180630T085252 C001 CS_OFFL_SIR_GOPM_2_20180630T085258_20180630T085624_C001 CS_OFFL_SIR_GOPM_2_20180630T090000_20180630T091054_C001 CS OFFL SIR GOPM 2 20180630T091631 20180630T093211 C001 CS_OFFL_SIR_GOPM_2_20180630T095616_20180630T101709_C001 CS OFFL SIR GOPM 2 20180630T101915 20180630T102414 C001 CS OFFL SIR GOPM 2 20180630T102725 20180630T103531 C001 CS_OFFL_SIR_GOPM_2_20180630T103954_20180630T111253_C001 CS_OFFL_SIR_GOPM_2_20180630T112609_20180630T112710_C001 CS OFFL SIR GOPM 2 20180630T114731 20180630T115540 C001 CS_OFFL_SIR_GOPM_2_20180630T115607_20180630T120305_C001 CS OFFL SIR GOPM_2_20180630T120701_20180630T121218_C001 CS_OFFL_SIR_GOPM_2_20180630T121907_20180630T124032_C001 CS_OFFL_SIR_GOPM_2_20180630T124318_20180630T125338_C001 CS OFFL SIR GOPM 2 20180630T130407 20180630T130852 C001 CS_OFFL_SIR_GOPM_2_20180630T132414_20180630T132923_C001 CS_OFFL_SIR_GOPM_2_20180630T133111_20180630T134136_C001 CS OFFL SIR GOPM 2 20180630T135836 20180630T143455 C001 CS_OFFL_SIR_GOPM_2_20180630T144738_20180630T145428_C001 CS_OFFL_SIR_GOPM_2_20180630T145442_20180630T151855_C001 CS OFFL SIR GOPM 2 20180630T153251 20180630T153514 C001 CS_OFFL_SIR_GOPM_2_20180630T153752_20180630T155344_C001 CS OFFL SIR GOPM 2 20180630T155359 20180630T160611 C001 CS_OFFL_SIR_GOPM_2_20180630T162226_20180630T162627_C001

CS OFFL SIR GOPM 2 20180630T162748 20180630T164331 C001

Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Description The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20180630T165216_20180630T170058_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T170711_20180630T170941_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T171006_20180630T171432_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T171720_20180630T173117_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T173257_20180630T173811_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T181820_20180630T184136_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T184454_20180630T185346_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T185642_20180630T191948_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T195731_20180630T202043_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T202709_20180630T203135_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T203558_20180630T210244_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T212848_20180630T214326_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T214901_20180630T215915_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T220624_20180630T221213_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T221442_20180630T222922_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T223101_20180630T223930_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T225123_20180630T225231_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T230451_20180630T233824_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180630T234530_20180630T235044_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180630T004126_20180630T004251_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180630T044106_20180630T044212_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180630T103531_20180630T103643_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180630T021626_20180630T021630_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180630T093716_20180630T094454_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

Number of products with errors:

Test Failed	Description
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
	SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

CS_OFFL_SIR_GOPM_2_20180630T060606_20180630T061311_C001 CS OFFL SIR GOPM 2 20180630T064453 20180630T070513 C001 CS_OFFL_SIR_GOPM_2_20180630T071400_20180630T071554_C001 CS_OFFL_SIR_GOPM_2_20180630T072037_20180630T075437_C001 CS_OFFL_SIR_GOPM_2_20180630T082031_20180630T084448_C001 CS_OFFL_SIR_GOPM_2_20180630T084726_20180630T085252_C001 CS OFFL SIR GOPM 2 20180630T085258 20180630T085624 C001 CS OFFL SIR GOPM 2 20180630T090000 20180630T091054 C001 CS_OFFL_SIR_GOPM_2_20180630T091631_20180630T093211_C001 CS_OFFL_SIR_GOPM_2_20180630T095616_20180630T101709_C001 CS OFFL SIR GOPM 2 20180630T101915 20180630T102414 C001 CS_OFFL_SIR_GOPM_2_20180630T102725_20180630T103531_C001 CS OFFL SIR GOPM 2 20180630T103954 20180630T111253 C001 CS_OFFL_SIR_GOPM_2_20180630T114731_20180630T115540_C001 CS_OFFL_SIR_GOPM_2_20180630T115607_20180630T120305_C001 CS OFFL SIR GOPM 2 20180630T120701 20180630T121218 C001 CS_OFFL_SIR_GOPM_2_20180630T121907_20180630T124032_C001 CS_OFFL_SIR_GOPM_2_20180630T124318_20180630T125338_C001 CS_OFFL_SIR_GOPM_2_20180630T130407_20180630T130852_C001 CS_OFFL_SIR_GOPM_2_20180630T133111_20180630T134136_C001 CS_OFFL_SIR_GOPM_2_20180630T134824_20180630T135118_C001 CS OFFL SIR GOPM 2 20180630T135836 20180630T143455 C001 CS_OFFL_SIR_GOPM_2_20180630T144738_20180630T145428_C001 CS OFFL SIR GOPM 2 20180630T145442 20180630T151855 C001 CS OFFL SIR GOPM 2 20180630T153752 20180630T155344 C001 CS OFFL SIR GOPM 2 20180630T155359 20180630T160611 C001 CS_OFFL_SIR_GOPM_2_20180630T162226_20180630T162627_C001 CS_OFFL_SIR_GOPM_2_20180630T162748_20180630T164331_C001 CS_OFFL_SIR_GOPM_2_20180630T165216_20180630T170058_C001 CS OFFL SIR GOPM 2 20180630T170711 20180630T170941 C001 CS_OFFL_SIR_GOPM_2_20180630T171006_20180630T171432_C001 CS_OFFL_SIR_GOPM_2_20180630T171720_20180630T173117_C001 CS OFFL SIR GOPM 2 20180630T173257 20180630T173811 C001 CS_OFFL_SIR_GOPM_2_20180630T180948_20180630T181658_C001 CS_OFFL_SIR_GOPM_2_20180630T181820_20180630T184136_C001 CS OFFL SIR GOPM 2 20180630T184454 20180630T185346 C001 CS_OFFL_SIR_GOPM_2_20180630T185642_20180630T191948_C001 CS OFFL SIR GOPM 2 20180630T195731 20180630T202043 C001 CS OFFL SIR GOPM 2 20180630T202709 20180630T203135 C001 CS_OFFL_SIR_GOPM_2_20180630T203558_20180630T210244_C001 CS_OFFL_SIR_GOPM_2_20180630T212848_20180630T214326_C001 CS OFFL SIR GOPM 2 20180630T214901 20180630T215915 C001 CS_OFFL_SIR_GOPM_2_20180630T220624_20180630T221213_C001 CS OFFL SIR GOPM 2 20180630T221442 20180630T222922 C001 CS_OFFL_SIR_GOPM_2_20180630T223101_20180630T223930_C001 CS_OFFL_SIR_GOPM_2_20180630T225123_20180630T225231_C001 CS_OFFL_SIR_GOPM_2_20180630T230451_20180630T233824_C001 CS_OFFL_SIR_GOPM_2_20180630T234530_20180630T235044_C001 CS_OFFL_SIR_GOPN_2_20180630T004126_20180630T004251_C001 CS OFFL SIR GOPN 2 20180630T044106 20180630T044212 C001 CS_OFFL_SIR_GOPN_2_20180630T103531_20180630T103643_C001

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status 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. 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. 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.

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.

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.

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 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.

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 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.

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 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.

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.

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

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.

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 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.

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.

CS_OFFL_SIR_GOPR_2_20180630T021626_20180630T021630_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more			
CS OFFL SIR GOPR 2 20180630T093716 20180630T094454 C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or			
	Backscatter Averaging Status	more records.			
5.8 L2 Ocean Retracking Quality Check					
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measured	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	d and sea ice, but this is to be expected. The	e number of products with this error flag set is given below.			
Number of products with errors: 63					
6. GOP L2	2 Pole-to-Pole Data Quali	ty 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: 0					
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 check	cked for the default error value (32767).				
Number of products with errors: 0					
6.5 P2P Measurement Confidence Data Check					
CryoSat P2P data includes a measurement confidence flag for each 20-Hz mea	surement record. The bit value of this flag ir	ndicates any problems when set.			
Number of products with errors: 2					
Product	Test Failed	Description			
CS_OFFL_SIR_GOP_220180630T071353_20180630T080332_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records			
CS_OFFL_SIR_GOP_220180630T202741_20180630T211720_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 e	each measurement record. The bit value of t	this flag indicates any problems when set.			
Currently, there are two common status flags raised in the P2P products w highlighting any additional issues which may arise from this test.	which are expected due to surface type. A	All common flags are summarised in the list below, followed by a table			
Ocean Range Averaging Status Flag: This flag is currently set for products ov	er land and sea ice, but this is to be expected	ed.			
Ice Range Averaging Status Flag: This flag is currently set for products over la	and, but this is to be expected.				
Number of products with errors: 29					
Product	Test Failed	Description The Ocean and Ice Range Averaging Status Flags have been set for one			
CS_OFFL_SIR_GOP_220180629T234724_20180630T003658_C001	Ocean Range Averaging Status, Ice Range Averaging Status	or more records.			
CS_OFFL_SIR_GOP_220180630T003658_20180630T012637_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_220180630T012637_20180630T021612_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_220180630T021612_20180630T030551_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_220180630T030551_20180630T035525_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.			
CS_OFFL_SIR_GOP_220180630T035525_20180630T044504_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.			
CS_OFFL_SIR_GOP_220180630T044504_20180630T053439_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_220180630T053439_20180630T062418_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_220180630T062418_20180630T071353_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_220180630T071353_20180630T080332_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_220180630T080332_20180630T085306_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_220180630T085306_20180630T094245_C001	Ocean Range Averaging Status, Ice	The Ocean and Ice Range Averaging Status Flags have been set for one			
CS_OFFL_SIR_GOP_220180630T094245_20180630T103220_C001	Range Averaging Status Ocean Range Averaging Status, Ice	or more records. The Ocean and Ice Range Averaging Status Flags have been set for one or more records.			
CS_OFFL_SIR_GOP_2_20180630T103220_20180630T112159_C001	Range Averaging Status Ocean Range Averaging Status, Ice	or more records. The Ocean and Ice Range Averaging Status Flags have been set for one			
CS_OFFL_SIR_GOP_2_20180630T112159_20180630T121134_C001	Range Averaging Status Ocean Range Averaging Status, Ice	or more records. The Ocean and Ice Range Averaging Status Flags have been set for one			
CS OFFL SIR GOP 2 20180630T121134 20180630T130112 C001	Range Averaging Status Ocean Range Averaging Status	or more records. The Ocean Range Averaging Status Flag has been set for one or more records.			

CS_OFFL_SIR_GOP_2__20180630T135047_20180630T144026_C001 CS_OFFL_SIR_GOP_2__20180630T144026_20180630T153001_C001 CS_OFFL_SIR_GOP_2__20180630T153001_20180630T161939_C001 Ocean Range Averaging Status Ocean Range Averaging Status, Ice Range Averaging Status Ocean Range Averaging Status, Ice Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean and Ice Range Averaging Status Flags have been set for one

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

CS_OFFL_SIR_GOP_220180630T161939_20180630T170914_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_220180630T170914_20180630T175853_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_220180630T175853_20180630T184828_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_220180630T184828_20180630T193807_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_220180630T193807_20180630T202741_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T202741_20180630T211720_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_220180630T211720_20180630T220655_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T220655_20180630T225634_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_220180630T225634_20180630T234609_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

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. 29

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180629T234724_20180630T003658_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_220180630T003658_20180630T012637_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_220180630T012637_20180630T021612_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_220180630T021612_20180630T030551_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_220180630T030551_20180630T035525_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_220180630T035525_20180630T044504_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_220180630T044504_20180630T053439_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_220180630T053439_20180630T062418_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_220180630T062418_20180630T071353_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_220180630T071353_20180630T080332_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_220180630T080332_20180630T085306_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_220180630T085306_20180630T094245_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_220180630T094245_20180630T103220_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_220180630T103220_20180630T112159_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_220180630T112159_20180630T121134_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_220180630T121134_20180630T130112_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_220180630T130112_20180630T135047_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_220180630T135047_20180630T144026_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_220180630T144026_20180630T153001_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_220180630T153001_20180630T161939_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_220180630T161939_20180630T170914_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_220180630T170914_20180630T175853_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_220180630T175853_20180630T184828_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_220180630T184828_20180630T193807_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_220180630T193807_20180630T202741_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_220180630T202741_20180630T211720_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_220180630T211720_20180630T220655_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_220180630T220655_20180630T225634_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_220180630T225634_20180630T234609_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean 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.

29

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.

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180629T234724_20180630T003658_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T003658_20180630T012637_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T012637_20180630T021612_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T021612_20180630T030551_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T030551_20180630T035525_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T035525_20180630T044504_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T044504_20180630T053439_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T053439_20180630T062418_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T062418_20180630T071353_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T071353_20180630T080332_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T080332_20180630T085306_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T085306_20180630T094245_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T094245_20180630T103220_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T103220_20180630T112159_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T112159_20180630T121134_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T121134_20180630T130112_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T130112_20180630T135047_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T135047_20180630T144026_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T144026_20180630T153001_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T153001_20180630T161939_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T161939_20180630T170914_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T170914_20180630T175853_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T175853_20180630T184828_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T184828_20180630T193807_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T193807_20180630T202741_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T202741_20180630T211720_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T211720_20180630T220655_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T220655_20180630T225634_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180630T225634_20180630T234609_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.