

# IDEAS+ Daily Report for GOP data:

## <u>01/03/2019</u>



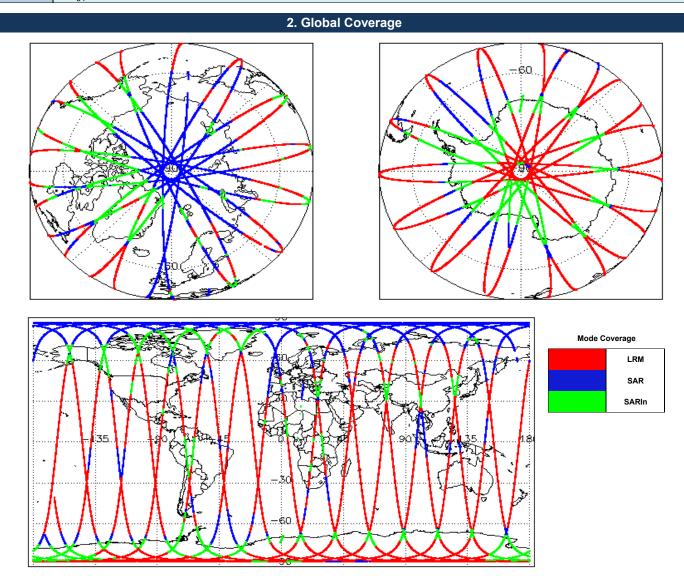
1. Overview				
	01.0== 0010	Check	L1 & L2	P2P
Report Production:	01-Apr-2019	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Due en en en la ende	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:		Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	Product Format Check	Nominal	Nominal
Data Used:		Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		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, 6.7
		Ocean Retracking Quality Check	See Section 5.8	See Section 6.8

#### Mission / Instrument News

28-Feb-2019 SIRAL unavailability on 28-Feb 2019 from 23:59:57 to 2019-03-01 01:31:55 due to an unplanned ground segment anomaly.

## 01-Mar-2019 None

02-Mar-2019 Nothing planned



## 3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

0

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-det	ermined baseline and also to check 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. Th	ne bit value of this flag indicates any prob	lems 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 measurement	record. The bit value of this flag indicate	s any problems when set.	
Attitude Correction Missing: This flag is currently set in error for GOPR products	due to a configuration issue. This is beir	ng investigated and will be updated in the next SW update.	
Number of products with errors: 1			
Product	Test Failed	Description	
CS_OFFL_SIR_GOPM1B_20190301T033206_20190301T034523_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records	
4.6 L1B Waveform Group Data Check			
CryoSat L1B data includes a waveform data flag 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.

15

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20190301T150518_20190301T150656_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190301T030748_20190301T031208_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190301T044930_20190301T045157_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190301T062604_20190301T062826_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190301T075943_20190301T080001_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190301T110636_20190301T110840_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190301T111824_20190301T111921_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190301T161248_20190301T161808_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190301T171054_20190301T171631_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190301T175255_20190301T175655_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190301T013211_20190301T014224_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190301T045411_20190301T045702_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190301T125112_20190301T125552_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190301T144838_20190301T145117_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190301T174924_20190301T175146_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: 0

## 5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. 0

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). 0

1

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.

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20190301T033206_20190301T034523_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.

an 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. 76

Number of products with errors:

Product Test Faile Description The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T014224 20190301T014703 C001 Ocean Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T014743\_20190301T020608\_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T021441 20190301T021654 C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T022347 20190301T025336 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T031245 20190301T033124 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T033206 20190301T034523 C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T035730\_20190301T040105\_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T040241 20190301T041825 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T042027 20190301T042948 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T045702\_20190301T045718\_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T045745\_20190301T050906\_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T052522 20190301T052630 C001 Ocean Range Averaging Status ecords The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T053224\_20190301T053527\_C001 Ice Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T053533\_20190301T054006\_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T054200 20190301T055655 C001 Ocean Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T064326\_20190301T070813\_C001 Ocean Range Averaging Status ecords The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T071038\_20190301T071254\_C001 Ice Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T071257 20190301T071902 C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T072114 20190301T074725 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T081827\_20190301T082946\_C001 Ocean Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T083521 20190301T084659 C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T085249\_20190301T085705\_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T085959 20190301T092808 C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T095306 20190301T100900 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T101301\_20190301T102605\_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T103200 20190301T103742 C001 Ice Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T103902\_20190301T104524\_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T111640\_20190301T111745\_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T113104 20190301T120543 C001 Ocean Range Averaging Status ecords The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T121104\_20190301T121616\_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T121759\_20190301T123749\_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T130947 20190301T134340 C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T135110\_20190301T135523\_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T135720\_20190301T143335\_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T145117 20190301T150037 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T150518\_20190301T150656\_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T150733\_20190301T152307\_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T153021\_20190301T153229\_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T153733 20190301T153747 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T154115 20190301T155337 C001 Ocean Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T155530\_20190301T160735\_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T163507\_20190301T164437\_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T164640 20190301T170208 C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20190301T170407\_20190301T170902\_C001 Ice Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20190301T170937 20190301T171054 C001 Ice Range Averaging Status records

CS_OFFL_SIR_GOPM_2_20190301T171708_20190301T172007_C001
CS_OFFL_SIR_GOPM_2_20190301T173915_20190301T174801_C001
CS_OFFL_SIR_GOPM_2_20190301T182458_20190301T184125_C001
CS_OFFL_SIR_GOPM_2_20190301T184349_20190301T184829_C001
CS_OFFL_SIR_GOPM_2_20190301T185419_20190301T191816_C001
CS_OFFL_SIR_GOPM_2_20190301T191819_20190301T192921_C001
CS_OFFL_SIR_GOPM_2_20190301T195429_20190301T202109_C001
CS_OFFL_SIR_GOPM_2_20190301T202733_20190301T202743_C001
CS_OFFL_SIR_GOPM_2_20190301T202749_20190301T203114_C001
CS_OFFL_SIR_GOPM_2_20190301T203333_20190301T204544_C001
CS_OFFL_SIR_GOPM_2_20190301T205118_20190301T210111_C001
CS_OFFL_SIR_GOPM_2_20190301T210307_20190301T210558_C001
CS_OFFL_SIR_GOPM_2_20190301T213303_20190301T220032_C001
CS_OFFL_SIR_GOPM_2_20190301T220202_20190301T220643_C001
CS_OFFL_SIR_GOPM_2_20190301T221252_20190301T224805_C001
CS_OFFL_SIR_GOPM_2_20190301T230115_20190301T230252_C001
CS_OFFL_SIR_GOPM_2_20190301T233227_20190301T233455_C001
CS_OFFL_SIR_GOPM_2_20190301T233655_20190301T234002_C001
CS_OFFL_SIR_GOPM_2_20190301T234147_20190301T234710_C001
CS_OFFL_SIR_GOPM_2_20190301T235243_20190302T001517_C001
CS_OFFL_SIR_GOPN_2_20190301T054006_20190301T054151_C001
CS_OFFL_SIR_GOPN_2_20190301T080101_20190301T080128_C001
CS_OFFL_SIR_GOPN_2_20190301T094740_20190301T095306_C001
CS_OFFL_SIR_GOPN_2_20190301T193128_20190301T193517_C001
CS_OFFL_SIR_GOPR_2_20190301T045157_20190301T045259_C001
CS_OFFL_SIR_GOPR_2_20190301T120544_20190301T120747_C001
CS_OFFL_SIR_GOPR_2_20190301T144838_20190301T145117_C001
CS_OFFL_SIR_GOPR_2_20190301T153412_20190301T153733_C001
CS_OFFL_SIR_GOPR_2_20190301T161218_20190301T161248_C001
CS_OFFL_SIR_GOPR_2_20190301T210112_20190301T210307_C001
CS_OFFL_SIR_GOPR_2_20190301T221137_20190301T221252_C001

Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
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Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
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Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
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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. 77

Deciduat	Test Failed	Description
Product		
CS_OFFL_SIR_GOPM_2_20190301T014224_20190301T014703_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190301T014743_20190301T020608_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20190301T021441_20190301T021654_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190301T022347_20190301T025336_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_20190301T031245_20190301T033124_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_20190301T033206_20190301T034523_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_20190301T035730_20190301T040105_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190301T040241_20190301T041825_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_20190301T042027_20190301T042948_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_20190301T045702_20190301T045718_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_20190301T045745_20190301T050906_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_20190301T052522_20190301T052630_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\_20190301T053224\_20190301T053527\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T053533\_20190301T054006\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T054200\_20190301T055655\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T063523\_20190301T064234\_C001 CS OFFL SIR GOPM 2 20190301T064326 20190301T070813 C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T071038\_20190301T071254\_C001 CS OFFL SIR GOPM 2 20190301T071257 20190301T071902 C001 CS OFFL SIR GOPM 2 20190301T072114 20190301T074725 C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T081827\_20190301T082946\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T083521\_20190301T084659\_C001 CS OFFL SIR GOPM 2 20190301T085249 20190301T085705 C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T085959\_20190301T092808\_C001 CS OFFL SIR GOPM 2 20190301T095306 20190301T100900 C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T101301\_20190301T102605\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T103200\_20190301T103742\_C001 CS OFFL SIR GOPM 2 20190301T103902 20190301T104524 C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T111640\_20190301T111745\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T113104\_20190301T120543\_C001 CS OFFL SIR GOPM 2 20190301T121104 20190301T121616 C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T121759\_20190301T123749\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T130947\_20190301T134340\_C001 CS OFFL SIR GOPM 2 20190301T135110 20190301T135523 C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T135720\_20190301T143335\_C001 CS OFFL SIR GOPM 2 20190301T143615 20190301T143739 C001 CS OFFL SIR GOPM 2 20190301T145117 20190301T150037 C001 CS OFFL SIR GOPM 2 20190301T150733 20190301T152307 C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T153021\_20190301T153229\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T154115\_20190301T155337\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T155530\_20190301T160735\_C001 CS OFFL SIR GOPM 2 20190301T163507 20190301T164437 C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T164640\_20190301T170208\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T170407\_20190301T170902\_C001 CS OFFL SIR GOPM 2 20190301T170937 20190301T171054 C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T171708\_20190301T172007\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T173915\_20190301T174801\_C001 CS OFFL SIR GOPM 2 20190301T182458 20190301T184125 C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T184349\_20190301T184829\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T185419\_20190301T191816\_C001 CS OFFL SIR GOPM 2 20190301T195429 20190301T202109 C001 CS OFFL SIR GOPM 2 20190301T202314 20190301T202729 C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T202733\_20190301T202743\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T202749\_20190301T203114\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T203333\_20190301T204544\_C001 CS OFFL SIR GOPM 2 20190301T205118 20190301T210111 C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T210307\_20190301T210558\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T213303\_20190301T220032\_C001 CS OFFL SIR GOPM 2 20190301T220202 20190301T220643 C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T220647\_20190301T221019\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20190301T221252\_20190301T224805\_C001 CS OFFL SIR GOPM 2 20190301T230115 20190301T230252 C001 CS OFFL SIR GOPM 2 20190301T233227 20190301T233455 C001 Ice Backscatter Averaging Status record Ice Backscatter Averaging Status ecords SWH Averaging Status, Ocean Backscatter Averaging Status more records SWH Averaging Status, Ocean Backscatter Averaging Status more records. 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Ice Backscatter Averaging Status ecords Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status more records SWH Averaging Status, Ocean 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.

The Ice Backscatter Averaging Status Flag has been set for one or more The Ice Backscatter Averaging Status Flag has been set for one or more The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The Ice Backscatter Averaging Status Flag has been set for one or more The Ice Backscatter Averaging Status Flag has been set for one or more The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The Ice Backscatter Averaging Status Flag has been set for one or more The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The Ice Backscatter Averaging Status Flag has been set for one or more The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The Ice Backscatter Averaging Status Flag has been set for one or more The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The Ice Backscatter Averaging Status Flag has been set for one or more The SWH and Ocean Averaging Status Flags have been set for one or The Ice Backscatter Averaging Status Flag has been set for one or more The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The Ice Backscatter Averaging Status Flag has been set for one or more The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The Ice Backscatter Averaging Status Flag has been set for one or more The Ice Backscatter Averaging Status Flag has been set for one or more The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The Ice Backscatter Averaging Status Flag has been set for one or more The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The Ice Backscatter Averaging Status Flag has been set for one or more The Ice Backscatter Averaging Status Flag has been set for one or more The Ice Backscatter Averaging Status Flag has been set for one or more The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The Ice Backscatter Averaging Status Flag has been set for one or more The Ice Backscatter Averaging Status Flag has been set for one or more The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or

CS_OFFL_SIR_GOPM_2_20190301T233655_20190301T234002_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_20190301T234147_20190301T234710_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190301T235243_20190302T001517_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_20190301T054006_20190301T054151_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_20190301T080101_20190301T080128_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_20190301T094740_20190301T095306_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_20190301T193128_20190301T193517_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_20190301T045157_20190301T045259_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_20190301T120544_20190301T120747_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_20190301T144838_20190301T145117_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_20190301T153412_20190301T153733_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_20190301T161218_20190301T161248_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_20190301T210112_20190301T210307_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_20190301T221137_20190301T221252_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: 56

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 ens	sure 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 S	PH 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-d	etermined baseline and also to check the v	alidity 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	ked 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 meas	urement record. The bit value of this flag ir	idicates any problems when set.	
Number of products with errors: 1			
Product	Test Failed	Description	
CS_OFFL_SIR_GOP_220190301T030556_20190301T035535_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more record	

## 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. 28

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220190301T012642_20190301T021621_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T021621_20190301T030556_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_220190301T030556_20190301T035535_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T035535_20190301T044509_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_220190301T044509_20190301T053448_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T053448_20190301T062423_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_220190301T062423_20190301T071402_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_220190301T071402_20190301T080336_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_220190301T080336_20190301T085316_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.

		The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOP_220190301T085316_20190301T094250_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOP_220190301T094250_20190301T103229_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_220190301T103229_20190301T112204_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_20190301T112204_20190301T121143_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_220190301T121143_20190301T130117_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_20190301T130117_20190301T135056_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T135056_20190301T144031_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_220190301T144031_20190301T153010_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_220190301T153010_20190301T161944_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_220190301T161944_20190301T170923_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_220190301T170923_20190301T175858_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T175858_20190301T184837_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_220190301T184837_20190301T193811_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_20190301T193811_20190301T202751_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_220190301T202751_20190301T211725_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T211725_20190301T220704_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T220704_20190301T225639_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_220190301T225639_20190301T234618_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_20190301T234618_20190302T003552_C002	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. 28

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20190301T012642_20190301T021621_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_220190301T021621_20190301T030556_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_20190301T030556_20190301T035535_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_220190301T035535_20190301T044509_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_220190301T044509_20190301T053448_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_220190301T053448_20190301T062423_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_220190301T062423_20190301T071402_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_220190301T071402_20190301T080336_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_220190301T080336_20190301T085316_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_20190301T085316_20190301T094250_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_220190301T094250_20190301T103229_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_20190301T103229_20190301T112204_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_220190301T112204_20190301T121143_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_20190301T121143_20190301T130117_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_20190301T130117_20190301T135056_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_20190301T135056_20190301T144031_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_220190301T144031_20190301T153010_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_220190301T153010_20190301T161944_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_220190301T161944_20190301T170923_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_20190301T170923_20190301T175858_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_220190301T175858_20190301T184837_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_220190301T184837_20190301T193811_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_220190301T193811_20190301T202751_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_220190301T202751_20190301T211725_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_220190301T211725_20190301T220704_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_220190301T220704_20190301T225639_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_220190301T225639_20190301T234618_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_20190301T234618_20190302T003552_C002	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.

27

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_2_20190301T012642_20190301T021621_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T021621_20190301T030556_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T030556_20190301T035535_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T035535_20190301T044509_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T044509_20190301T053448_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T053448_20190301T062423_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T062423_20190301T071402_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T071402_20190301T080336_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T080336_20190301T085316_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T085316_20190301T094250_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T094250_20190301T103229_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T103229_20190301T112204_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T112204_20190301T121143_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T121143_20190301T130117_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T130117_20190301T135056_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T135056_20190301T144031_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T144031_20190301T153010_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T153010_20190301T161944_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T161944_20190301T170923_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T170923_20190301T175858_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T175858_20190301T184837_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T184837_20190301T193811_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T193811_20190301T202751_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T202751_20190301T211725_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T211725_20190301T220704_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T220704_20190301T225639_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190301T225639_20190301T234618_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.