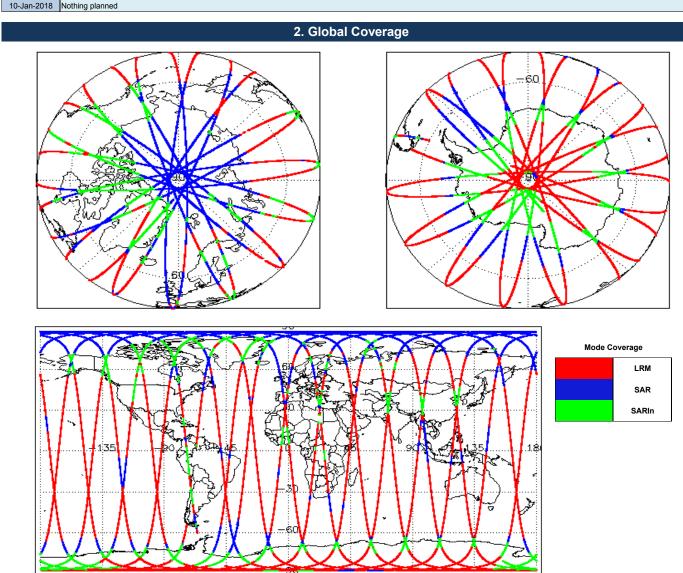


# IDEAS+ Daily Report for GOP data:

# 09/01/2018

Report Production:	12-Feb-2018	Check	L1 & L2	P2P
		Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used: CryoSat Ocean Processor	CriveSet Oscen Breeseer	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
	Product Software Check	Nominal	Nominal	
	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal
	L1B, L2 & P2P Science Data	Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	Nominal	Nominal
		Measurement Confidence Data Check	See Section 4.6	Nominal
		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

wission / instrument news					
08-Jan-2018	None				
09-Jan-2018	None				
40.1 0040					



## 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

Each product is checked for missing Data Set Descriptors with respect to a pre Number of products with errors: 0	e-determined baseline and also to	check the validity of Auxiliary Data Files is correct.
4.4 L1B Auxiliary Correction Error Check		
ryoSat L1B data includes a correction error flag for each measurement recorr	d. The bit value of this flag indicate	es anv problems when set
lumber of products with errors: 0		
I.5 L1B Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag for each measuren	nent record. The bit value of this fl	ag indicates any problems when set.
lumber of products with errors: 0	-	• • • • • • • • • • • • • • • • • • •
4.6 L1B Waveform Group Data Check		
ryoSat L1B data includes a waveform data flag for each measurement record	I. The bit value of this flag indicate	s any problems when set.
oss of Echo Flag: This flag is currently set for products over land, but this is	-	
umber of products with errors: 15		
	Test Felled	Description
roduct S_OFFL_SIR_GOPM1B_20180109T133043_20180109T133824_C001	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records
S_OFFL_SIR_GOPM1B_20180109T195457_20180109T195539_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPM1B_20180109T222520_20180109T225627_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20180109T013930_20180109T014040_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20180109T031848_20180109T032439_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20180109T090901_20180109T091025_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20180109T113028_20180109T113138_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20180109T144421_20180109T144932_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20180109T175930_20180109T180447_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20180109T190306_20180109T190418_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20180109T200253_20180109T200452_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPR1B_20180109T013253_20180109T013655_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPR1B_20180109T071813_20180109T072112_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPR1B_20180109T141218_20180109T141336_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPR1B_20180109T230355_20180109T230839_C001	Loss of Echo	The tracking echo is missing for one or more records
5. G(	OP Level 2 Data Qua	ality Check
5.1 L2 Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to e	ensure it consists of both an XML I	neader file (.HDR) and a binary product file (.DBL).
lumber of products with errors: 0		
5.2 L2 Product Header Analysis		
or all products, a series of pre-defined checks are performed on the MPH and	SPH in order to identify any inco	sistencies and/or errors raised by the ground-segment processing chain.
umber of products with errors: 0		
.3 L2 Auxiliary Data File Usage Check		
ach product is checked for missing Data Set Descriptors with respect to a pre	e-determined baseline and also to	check the validity of Auxiliary Data Files is correct.
lumber of products with errors: 0		
·		
.4 L2 Auxiliary Correction Error Check	alled for the default array value /2	2767)
.4 L2 Auxiliary Correction Error Check or all products, the auxiliary corrections within the Geophysical Group are che	ecked for the default error value (3	2767).
A L2 Auxiliary Correction Error Check or all products, the auxiliary corrections within the Geophysical Group are che umber of products with errors: 0	ecked for the default error value (3	2767).
<b>5.4 L2 Auxiliary Correction Error Check</b> or all products, the auxiliary corrections within the Geophysical Group are che umber of products with errors: 0 <b>5.5 L2 Measurement Confidence Data Check</b>		
<b>5.4 L2 Auxiliary Correction Error Check</b> or all products, the auxiliary corrections within the Geophysical Group are che umber of products with errors: 0 <b>5.5 L2 Measurement Confidence Data Check</b> ryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement		
5.4 L2 Auxiliary Correction Error Check         or all products, the auxiliary corrections within the Geophysical Group are che         umber of products with errors:       0         5.5 L2 Measurement Confidence Data Check         ryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement of products with errors:       0		
5.4 L2 Auxiliary Correction Error Check or all products, the auxiliary corrections within the Geophysical Group are che lumber of products with errors: 0 5.5 L2 Measurement Confidence Data Check cryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement	surement record. The bit value of	his flag indicates any problems when set.
<b>5.4 L2 Auxiliary Correction Error Check</b> or all products, the auxiliary corrections within the Geophysical Group are che umber of products with errors: 0 <b>5.5 L2 Measurement Confidence Data Check</b> ryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement of products with errors: 0 <b>6.6 L2 Range Measurement Check</b> ryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for e	surement record. The bit value of ach measurement record. The bit	his flag indicates any problems when set.
A L2 Auxiliary Correction Error Check         or all products, the auxiliary corrections within the Geophysical Group are che         umber of products with errors:       0         .5 L2 Measurement Confidence Data Check         ryoSat L2 data includes a measurement confidence flag for each 20-Hz measuremet of products with errors:       0         .6 L2 Range Measurement Check         ryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for e         urrently, there are two common status flags raised in the Level 2 production be highlighting any additional issues which may arise from this test.	surement record. The bit value of ach measurement record. The bit cts which are expected due to s	his flag indicates any problems when set. value of this flag indicates any problems when set. urface type. All common flags are summarised in the list below, followed by a
A L2 Auxiliary Correction Error Check or all products, the auxiliary corrections within the Geophysical Group are che umber of products with errors: 0  5 L2 Measurement Confidence Data Check ryoSat L2 data includes a measurement confidence flag for each 20-Hz meas umber of products with errors: 0  6 L2 Range Measurement Check ryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for e urrently, there are two common status flags raised in the Level 2 produc ble highlighting any additional issues which may arise from this test. cean Range Averaging Status Flag: This flag is currently set for products of	surement record. The bit value of ach measurement record. The bit cts which are expected due to s	his flag indicates any problems when set. value of this flag indicates any problems when set. urface type. All common flags are summarised in the list below, followed by a
5.4 L2 Auxiliary Correction Error Check or all products, the auxiliary corrections within the Geophysical Group are che umber of products with errors: 0 5.5 L2 Measurement Confidence Data Check ryoSat L2 data includes a measurement confidence flag for each 20-Hz meas umber of products with errors: 0 6.6 L2 Range Measurement Check ryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for e furmently, there are two common status flags raised in the Level 2 product	surement record. The bit value of ach measurement record. The bit cts which are expected due to s	his flag indicates any problems when set. value of this flag indicates any problems when set. urface type. All common flags are summarised in the list below, followed by a

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180109T000540_20180109T002331_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180109T002454_20180109T003849_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180109T004956_20180109T005350_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

CS\_OFFL\_SIR\_GOPM\_2\_20180109T005534\_20180109T011106\_C001 CS OFFL SIR GOPM 2 20180109T011308 20180109T012230 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T015035\_20180109T020133\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T021739\_20180109T022129\_C001 CS OFFL SIR GOPM 2 20180109T022454 20180109T023252 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T023517\_20180109T025013\_C001 CS OFFL SIR GOPM 2 20180109T032705 20180109T040054 C001 CS OFFL SIR GOPM 2 20180109T040327 20180109T040536 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T040602\_20180109T041139\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T041417\_20180109T043925\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T051100\_20180109T052234\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T052812\_20180109T053855\_C001 CS OFFL SIR GOPM 2 20180109T054536 20180109T055012 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T055316\_20180109T062135\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T063018\_20180109T063107\_C001 CS OFFL SIR GOPM 2 20180109T064516 20180109T071812 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T072446\_20180109T073018\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T073207\_20180109T073804\_C001 CS OFFL SIR GOPM 2 20180109T080911 20180109T081056 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T082423\_20180109T085810\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T090349\_20180109T090901\_C001 CS OFFL SIR GOPM 2 20180109T091103 20180109T093042 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T100218\_20180109T103609\_C001 CS OFFL SIR GOPM 2 20180109T104405 20180109T104802 C001 CS OFFL SIR GOPM 2 20180109T105153 20180109T111901 C001 CS OFFL SIR GOPM 2 20180109T111918 20180109T112622 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T112749\_20180109T113028\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T114308\_20180109T115323\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T115805\_20180109T121544\_C001 CS OFFL SIR GOPM 2 20180109T121728 20180109T122246 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T122305\_20180109T122504\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T123331\_20180109T124622\_C001 CS OFFL SIR GOPM 2 20180109T124836 20180109T130058 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T130307\_20180109T130456\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T132757\_20180109T133040\_C001 CS OFFL SIR GOPM 2 20180109T133043 20180109T133824 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T134004\_20180109T135435\_C001 CS OFFL SIR GOPM 2 20180109T141028 20180109T141126 C001 CS OFFL SIR GOPM 2 20180109T142936 20180109T143213 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T143336\_20180109T144033\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T151116\_20180109T151436\_C001 CS OFFL SIR GOPM 2 20180109T151624 20180109T153354 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T153701\_20180109T154113\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T154730\_20180109T162206\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T164801\_20180109T171324\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T171503\_20180109T172027\_C001 CS OFFL SIR GOPM 2 20180109T172713 20180109T173826 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T174403\_20180109T175929\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T182256\_20180109T184529\_C001 CS OFFL SIR GOPM 2 20180109T184647 20180109T185302 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T185458\_20180109T190306\_C001 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 Ice 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 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 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 Ice 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

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 record 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 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 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. 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 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 ecords 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 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 Ice Range Averaging Status Flag has been set for one or more records.

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#### 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. 65

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180109T000540_20180109T002331_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_20180109T002454_20180109T003849_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_20180109T004956_20180109T005350_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180109T005534_20180109T011106_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_20180109T011308_20180109T012230_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_20180109T015035_20180109T020133_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_20180109T021739_20180109T022129_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_20180109T022454_20180109T023252_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180109T023517_20180109T025013_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_20180109T032705_20180109T040054_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_20180109T040327_20180109T040536_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180109T040602_20180109T041139_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180109T041417_20180109T043925_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_20180109T051100_20180109T052234_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_20180109T052812_20180109T053855_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_20180109T054536_20180109T055012_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180109T055316_20180109T062135_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_20180109T064516_20180109T071812_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_20180109T072446_20180109T073018_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180109T073207_20180109T073804_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_20180109T080911_20180109T081056_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_20180109T082423_20180109T085810_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_20180109T090349_20180109T090901_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180109T091103_20180109T093042_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_20180109T100218_20180109T103609_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_20180109T104405_20180109T104802_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180109T105153_20180109T111901_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\_20180109T111918\_20180109T112622\_C001 CS OFFL SIR GOPM 2 20180109T112749 20180109T113028 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T114308\_20180109T115323\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T115805\_20180109T121544\_C001 CS OFFL SIR GOPM 2 20180109T121728 20180109T122246 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T123331\_20180109T124622\_C001 CS OFFL SIR GOPM 2 20180109T124836 20180109T130058 C001 CS OFFL SIR GOPM 2 20180109T130307 20180109T130456 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T132757\_20180109T133040\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T133043\_20180109T133824\_C001 CS OFFL SIR GOPM 2 20180109T134004 20180109T135435 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T135653\_20180109T140157\_C001 CS OFFL SIR GOPM 2 20180109T141028 20180109T141126 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T143336\_20180109T144033\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T151116\_20180109T151436\_C001 CS OFFL SIR GOPM 2 20180109T151624 20180109T153354 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T153701\_20180109T154113\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T154730\_20180109T162206\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T164801\_20180109T171324\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T171503\_20180109T172027\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T172713\_20180109T173826\_C001 CS OFFL SIR GOPM 2 20180109T174403 20180109T175929 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T182256\_20180109T184529\_C001 CS OFFL SIR GOPM 2 20180109T184647 20180109T185302 C001 CS OFFL SIR GOPM 2 20180109T185458 20180109T190306 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T190651\_20180109T194028\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T202357\_20180109T203232\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T203436\_20180109T203953\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T204530\_20180109T210802\_C001 CS OFFL SIR GOPM 2 20180109T211048 20180109T212024 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T213328\_20180109T213621\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T215213\_20180109T215656\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T215844\_20180109T221019\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T222520\_20180109T225627\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180109T231509\_20180109T232204\_C001 CS OFFL SIR GOPM 2 20180109T232219 20180109T234630 C001 CS\_OFFL\_SIR\_GOPR\_2\_20180109T022130\_20180109T022140\_C001 CS\_OFFL\_SIR\_GOPR\_2\_20180109T025014\_20180109T025038\_C001

# 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 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

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 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 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 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 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 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 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.

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

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

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

The 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

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Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

Number of products with errors:

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

## 6.1 P2P Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a NetCDF product file (.nc). Number of products with errors: 0

## 6.2 P2P Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 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.

#### 6.4 P2P Auxiliary Correction Error Check

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

Number of products with errors:

#### 6.5 P2P Measurement Confidence Data Check

CryoSat P2P data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

#### 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. 29

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20180108T235844_20180109T004823_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T004823_20180109T013757_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_220180109T013757_20180109T022737_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_220180109T022737_20180109T031711_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_220180109T031711_20180109T040651_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T040651_20180109T045624_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_220180109T045624_20180109T054604_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T054604_20180109T063538_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_20180109T063538_20180109T072518_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T072518_20180109T081452_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_220180109T081452_20180109T090431_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_220180109T090431_20180109T095405_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_220180109T095405_20180109T104345_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_220180109T104345_20180109T113319_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_220180109T113319_20180109T122258_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_220180109T122258_20180109T131232_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T131232_20180109T140212_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_220180109T140212_20180109T145146_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T145146_20180109T154126_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_220180109T154126_20180109T163059_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_220180109T163059_20180109T172039_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_220180109T172039_20180109T181013_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_220180109T181013_20180109T185953_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_220180109T185953_20180109T194927_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T194927_20180109T203906_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_220180109T203906_20180109T212840_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T212840_20180109T221820_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_220180109T221820_20180109T230754_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180109T230754_20180109T235733_C002	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have 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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180108T235844_20180109T004823_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_220180109T004823_20180109T013757_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_220180109T013757_20180109T022737_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_220180109T022737_20180109T031711_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_220180109T031711_20180109T040651_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_220180109T040651_20180109T045624_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_220180109T045624_20180109T054604_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_220180109T054604_20180109T063538_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_220180109T063538_20180109T072518_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_20180109T072518_20180109T081452_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_220180109T081452_20180109T090431_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_220180109T090431_20180109T095405_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_220180109T095405_20180109T104345_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_220180109T104345_20180109T113319_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_220180109T113319_20180109T122258_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_220180109T122258_20180109T131232_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_220180109T131232_20180109T140212_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ocean	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180109T140212_20180109T145146_C001	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_220180109T145146_20180109T154126_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_220180109T154126_20180109T163059_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_220180109T163059_20180109T172039_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_220180109T172039_20180109T181013_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_220180109T181013_20180109T185953_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_220180109T185953_20180109T194927_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_220180109T194927_20180109T203906_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_220180109T203906_20180109T212840_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_220180109T212840_20180109T221820_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_220180109T221820_20180109T230754_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_220180109T230754_20180109T235733_C002	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

# 6.8 P2P Ocean Retracking Quality Check

Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

Number of products with errors: 28		
Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180108T235844_20180109T004823_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180109T004823_20180109T013757_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180109T013757_20180109T022737_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T031711_20180109T040651_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.

CS_OFFL_SIR_GOP_220180109T040651_20180109T045624_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T045624_20180109T054604_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T054604_20180109T063538_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T063538_20180109T072518_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T072518_20180109T081452_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T081452_20180109T090431_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T090431_20180109T095405_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T095405_20180109T104345_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T104345_20180109T113319_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T113319_20180109T122258_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T122258_20180109T131232_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T131232_20180109T140212_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T140212_20180109T145146_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T145146_20180109T154126_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T154126_20180109T163059_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T163059_20180109T172039_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T172039_20180109T181013_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T181013_20180109T185953_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T185953_20180109T194927_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T194927_20180109T203906_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T203906_20180109T212840_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T212840_20180109T221820_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T221820_20180109T230754_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180109T230754_20180109T235733_C002	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
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