



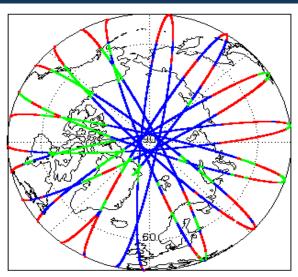
## 1. Overview

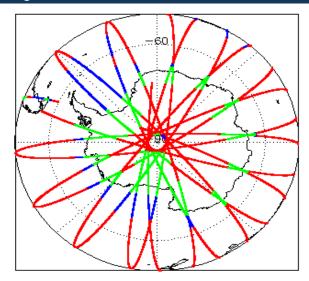
Report Production:	10-Apr-2019
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

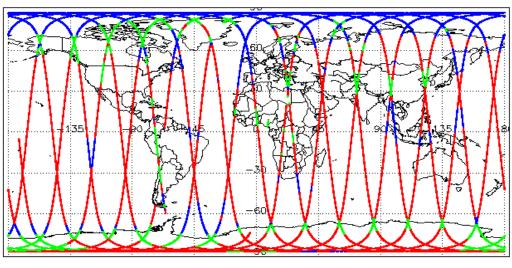
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.5, 4.6	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

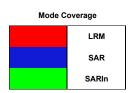
Mission / Instrument News		
08-Mar-2019	None	
09-Mar-2019	None	
10-Mar-2019	Nothing planned	

# 2. Global Coverage









# 3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

# 4. GOP Level 1B Data Quality Check

## 4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

Number of products with errors:

0

## 4.2 L1B Product Header Analysis

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

#### 4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

#### 4.4 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

### 4.5 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag for each measurement record. The bit value of this flag indicates any problems when set.

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

Number of products with errors:

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#### 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.

Number of products with errors:

17

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20190309T021359_20190309T023232_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20190309T041037_20190309T042000_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20190309T225226_20190309T225308_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190309T043659_20190309T043809_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190309T061617_20190309T062207_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190309T093823_20190309T094247_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190309T142757_20190309T142907_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190309T160559_20190309T160821_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190309T174232_20190309T174702_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190309T202128_20190309T202246_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190309T220035_20190309T220147_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190309T033615_20190309T034141_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190309T105622_20190309T105659_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190309T110214_20190309T110537_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190309T123837_20190309T124144_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190309T143836_20190309T144314_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190309T224148_20190309T224814_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.

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).

Number of products with errors:

#### 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

## 5.6 L2 Range Measurement Check

CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

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

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

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

Number of products with errors:

81

Product	Test Failed	Description
CS OFFL SIR GOPM 2 20190309T002256 20190309T002805 C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CO_CITE_CIN_COT IM_2_201303031002230_201303031002303_0001	ice range Averaging otatus	records.

		The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T003325_20190309T010806_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190309T012218_20190309T012224_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T013756_20190309T015535_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T015835_20190309T015950_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T020507_20190309T020708_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T021359_20190309T023232_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T023607_20190309T024313_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T030313_20190309T032103_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T032222_20190309T033615_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T034727_20190309T035119_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T035259_20190309T040836_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T041037_20190309T042000_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T043809_20190309T043921_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T044750_20190309T045922_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T051511_20190309T051907_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T052224_20190309T053021_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T053209_20190309T054742_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T062437_20190309T063410_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T063436_20190309T065827_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T070330_20190309T070908_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T071138_20190309T073659_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T081052_20190309T082003_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T082540_20190309T083726_C001	Ocean Range Averaging Status	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
CS_OFFL_SIR_GOPM_2_20190309T084305_20190309T084738_C001	Ice Range Averaging Status	records.  The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T084847_20190309T084858_C001	Ice Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T085021_20190309T091823_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T092750_20190309T092821_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T094248_20190309T101635_C001	Ocean Range Averaging Status	records.  The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T102214_20190309T102748_C001	Ice Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T102911_20190309T103534_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T110641_20190309T110826_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T112146_20190309T115558_C001	Ocean Range Averaging Status	records. The loc Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T120118_20190309T120630_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190309T120812_20190309T122812_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T125957_20190309T133344_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T133802_20190309T134117_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T134123_20190309T134131_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T134134_20190309T134532_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T134734_20190309T141632_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T141648_20190309T142348_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T142525_20190309T142757_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T144314_20190309T145052_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T145533_20190309T145656_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T145658_20190309T151316_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T151457_20190309T152015_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T153104_20190309T154351_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T154605_20190309T155803_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T160041_20190309T160155_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T162525_20190309T163553_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T163732_20190309T165235_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T165422_20190309T165926_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
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CS_OFFL_SIR_GOPM_2_20190309T165950_20190309T170105_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T170757_20190309T170855_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T171728_20190309T171942_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T172703_20190309T172942_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T173105_20190309T173806_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T180936_20190309T181205_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T181406_20190309T183132_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T183427_20190309T183842_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T183904_20190309T184048_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T184437_20190309T190829_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T194526_20190309T201118_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201756_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T201803_20190309T202128_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T202344_20190309T203556_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T214415_20190309T215054_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T215226_20190309T220034_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T220310_20190309T223800_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T231610_20190309T232044_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T232132_20190309T233021_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T233204_20190309T233722_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T234240_20190310T000532_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190309T084738_20190309T084847_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190309T225347_20190309T225509_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190309T011755_20190309T012218_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190309T033615_20190309T034141_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190309T040836_20190309T041037_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190309T044601_20190309T044749_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

# 5.7 L2 SWH and Backscatter Measurement Check

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

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.

Product	l est Falled	Description
CS_OFFL_SIR_GOPM_2_20190309T002256_20190309T002805_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T003325_20190309T010806_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_20190309T012218_20190309T012224_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_20190309T013756_20190309T015535_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_20190309T015835_20190309T015950_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_20190309T020507_20190309T020708_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T021359_20190309T023232_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_20190309T023607_20190309T024313_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_20190309T030313_20190309T032103_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_20190309T032222_20190309T033615_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_20190309T034727_20190309T035119_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T035259_20190309T040836_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_20190309T041037_20190309T042000_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_20190309T043809_20190309T043921_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

Computer C		lover a control	T- 01/11 10 A : 01/1 T- 1
Re-breath with winding State  OFF. 39. (COV.) 2. 20100007000000 COV.) COV.  OFF. 39. (COV.) 2. 20100007000000 COV.  OFF. 39. (COV.) 2. 20100007000000 COV.  OFF. 39. (COV.) 2. 2010000700000 COV.  OFF. 39. (COV.) 2. 2010000070000 COV.  OFF. 39. (COV.) 2. 2010000700000 COV.  OFF. 39. (COV.) 2. 20100000700000 COV.  OFF. 39. (COV.) 2. 2010000700000 COV.  OFF. 39. (COV.) 2. 20100007000000 COV.  OFF. 39. (COV.) 2. 2010000700000 COV.  OFF. 39. (COV.)	CS_OFFL_SIR_GOPM_2_20190309T044750_20190309T045922_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
See Comp. 2010/03/07/03/03 2010/03/07/03/03 2010/03/07/03/03 2010/03/07/03/03 2010/03/07/03/03 2010/03/07/03/03 2010/03/07/03/03 2010/03/07/03/03 2010/03/07/03/03 2010/03/07/03/03 2010/03/07/03/03 2010/03/07/03/03 2010/03/07/03/03 2010/03/07/03/03 2010/03/07/03/03/03/03/03/03/03/03/03/03/03/03/03/	CS_OFFL_SIR_GOPM_2_20190309T051511_20190309T051907_C001		
6. GFF1, Bits GOPP 2 (2010)03775020 (2010)03775020 (2010) (2010)03775020 (2010) (2010)03775020 (2010) (2010)03775020 (2010) (2010)03775020 (2010) (2010)03775020 (2010) (2010)03775020 (2010) (2010)03775020 (2010) (2010)03775020 (2010) (2010)03775020 (2010) (2010)03775020 (2010) (2010)03775020 (2010)0377502	CS_OFFL_SIR_GOPM_2_20190309T052224_20190309T053021_C001		
SOUTH LEFT, COMPLICATIONS OF THE STATE OF TH	CS OFFL SIR GOPM 2 20190309T053209 20190309T054742 C001		The SWH and Ocean Averaging Status Flags have been set for one or
CB_OFF_BIR_COMP_2 INTOCONTROLS_DISCONTROLS_COID  BOT_BIR_COMP_2 INTO			
South Establishment (1995) and the control of the c			
Sec. OFF. B. GOPPL 2. 201000001103012, 00100001103013012, 00100001103012, 00100001103012, 00100001103012, 00100001103012, 0010	CS_OFFL_SIR_GOPM_2_20190309T063436_20190309T065827_C001		more records.
Description of the process of the pr	CS_OFFL_SIR_GOPM_2_20190309T070330_20190309T070908_C001	* *	records.
So, OHL SIR COPIN 2 20190000110000 (2019) So, OPEL SIR COPIN 2 20190000110001 (2019) So, OPEL SIR COPIN 2 20190	CS_OFFL_SIR_GOPM_2_20190309T071138_20190309T073659_C001	0 0	
E. OFF_ 18. COPI_ 2   199398170432   201903971342   201903971343   20190397134   20190397134   20190397134   20190397134   20190397134   20	CS_OFFL_SIR_GOPM_2_20190309T081052_20190309T082003_C001		
5. OFFL_SR_COPPL_2 PRODOCTIONES   2010000110012 COID	CS_OFFL_SIR_GOPM_2_20190309T082540_20190309T083726_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_CPFL_SR_COPFL_7/20100007110910_7010030710193_C001	CS OFFL SIR GOPM 2 20190309T084305 20190309T084738 C001		The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SR_COM_2_20193300710041_20193300711005_C001  CS_OFFL_SR_COM_2_20193300710091_20193300711005_C001  CS_OFFL_SR_COM_2_20193300710091_20193300711005_C001  CS_OFFL_SR_COM_2_20193300710091_20193300711005_C001  CS_OFFL_SR_COM_2_201933007110091_20193300711005_C001  CS_OFFL_SR_COM_2_201933007110091_201933007110005_C001  CS_OFFL_SR_COM_2_201933007110091_201933007110005_C001  CS_OFFL_SR_COM_2_201933007110091_201933007110000_C001  CS_OFFL_SR_COM_2_201933007110091_201933007110000_C001  CS_OFFL_SR_COM_2_201933007110091_201933007110000_C001  CS_OFFL_SR_COM_2_201933007110091_201933007110000_C001  CS_OFFL_SR_COM_2_201933007110091_201930007110000_C001  CS_OFFL_SR_COM_2_201933007110000_C001  CS_OFFL_SR_COM_2_201933007110000_C001  CS_OFFL_SR_COM_2_201933007110000_C001  CS_OFFL_SR_COM_2_201933007110000_C001  CS_OFFL_SR_COM_2_201933007110000_C001  CS_OFFL_SR_COM_2_201933007110000_C001  CS_OFFL_SR_COM_2_201933007110000_C001  CS_OFFL_SR_COM_2_201933007110000_C001  CS_OFFL_SR_COM_2_20193300710000_C001  CS_OFFL_SR_COM_2_201933007110000_C001  CS_OFFL_SR_COM_2_201933007110000_C001  CS_OFFL_SR_COM_2_201933007110000_C001  CS_OFFL_SR_COM_2_201933007100000_C00100000000000000000000000000		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Secretary Applications of the collaboration Averaging Status Flag has been set for one or more instructions of the collaboration Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been set for one or more instructions. Averaging Status Flag has been s			
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Backscallar Averaging Status Play 1 20100009711249 (20100009711240 (20100009712010 (20100097120 (2010009712010 (2010009712	CS_OFFL_SIR_GOPM_2_20190309T102911_20190309T103534_C001	Backscatter Averaging Status	more records.
Se, CPFL, SR, GOPM 2, 201800097130142 (20180097120152 (20180097120152 (20180097120152 (20180097120152 (20180097120152 (20180097120152 (20180097120152 (20180097120152 (20180097120152 (20180097120152 (20180097120152 (20180097120152 (20180097130144 (20180097130144 (20180097130145 (20180097130145 (20180097130145 (20180097130145 (20180097130145 (20180097130145 (20180097130145 (2018009714015) (20180097130145 (2018009714015) (2018009	CS_OFFL_SIR_GOPM_2_20190309T110641_20190309T110826_C001	Backscatter Averaging Status	more records.
CS_OFFL_SR_GOPM_2_20100000712802_20100007134147_C001  CS_OFFL_SR_GOPM_2_20100000712807_20100007134157_C001  CS_OFFL_SR_GOPM_2_20100000713402_201000007134152_C001  CS_OFFL_SR_GOPM_2_20100000713403_20100007134152_C001  CS_OFFL_SR_GOPM_2_20100000713403_20100007134152_C001  CS_OFFL_SR_GOPM_2_20100000713403_20100007134152_C001  CS_OFFL_SR_GOPM_2_201000007134153_C001  CS_OFFL_SR_GOPM_2_201000007134153_C001  CS_OFFL_SR_GOPM_2_201000007134153_C001  CS_OFFL_SR_GOPM_2_201000007134153_C001  CS_OFFL_SR_GOPM_2_201000007134153_C001  CS_OFFL_SR_GOPM_2_201000007134153_C001  CS_OFFL_SR_GOPM_2_201000007134153_C001  CS_OFFL_SR_GOPM_2_201000007134154_20100007134552_C001  CS_OFFL_SR_GOPM_2_201000007134154_20100007173519_C001  CS_OFFL_SR_GOPM_2_201000007134154_20100007173519_C001  CS_OFFL_SR_GOPM_2_201000007134154_20100007173519_C001  CS_OFFL_SR_GOPM_2_201000007134154_20100007173519_C001  CS_OFFL_SR_GOPM_2_201000007134154_20100007173519_C001  CS_OFFL_SR_GOPM_2_20100007134154_20100007173519_C001  CS_OFFL_SR_GOPM_2_201000007134154_20100007173519_C001  CS_OFFL_SR_GOPM_2_201000007134154_20100007173519_C001  CS_OFFL_SR_GOPM_2_201000007134154_20100007173519_C001  CS_OFFL_SR_GOPM_2_201000007134154_20100007173519_C001  CS_OFFL_SR_GOPM_2_201000007134154_20100007173519_C001  CS_OFFL_SR_GOPM_2_201000007134004_20100007173519_C001  CS_OFFL_SR_GOPM_2_201000007134050_2010000717352_C001  CS_OFFL_SR_GOPM_2_201000007136050_201000071736050_C001  C	CS_OFFL_SIR_GOPM_2_20190309T112146_20190309T115558_C001		more records.
Secretary Averaging Status  Se	CS_OFFL_SIR_GOPM_2_20190309T120118_20190309T120630_C001	Ice Backscatter Averaging Status	
SOFFL_SIR_COPM_2_201903097134392_201903097134512_COID  SOFFL_SIR_COPM_2_20190309713452_201903097134512_COID  SOFFL_SIR_COPM_2_20190309713452_20190309713452_COID  SOFFL_SIR_COPM_2_20190309713452_20190309713452_COID  SOFFL_SIR_COPM_2_20190309713452_20190309713452_COID  SOFFL_SIR_COPM_2_20190309713452_20190309713452_COID  SOFFL_SIR_COPM_2_20190309713452_20190309713452_COID  SOFFL_SIR_COPM_2_20190309713452_COID  SOFFL_SIR_COPM_2_20190309713452_COID  SOFFL_SIR_COPM_2_20190309713452_COID  SOFFL_SIR_COPM_2_20190309713453_COID  SOFFL_SIR_COPM_2_20190309713453_COID  SOFFL_SIR_COPM_2_20190309713453_COID  SOFFL_SIR_COPM_2_20190309713453_COID  SOFFL_SIR_COPM_2_20190309713453_COID  SOFFL_SIR_COPM_2_20190309713453_COID  SOFFL_SIR_COPM_2_20190309713453_COID  SOFFL_SIR_COPM_2_20190309713453_COID  SOFFL_SIR_COPM_2_20190309713453_COID  SOFFL_SIR_COPM_2_201903097135300_COID  SOFFL_SIR_COPM_2_201903097135300_COID  SOFFL_SIR_COPM_2_20190309715300_COID  SOFFL_SIR_COPM_2_20190309717300_COID  SOFFL_SIR_COPM_2_20190309717300_COID	CS_OFFL_SIR_GOPM_2_20190309T120812_20190309T122812_C001		
SOFT_SR_COPM_2_201903097134132_20190309713420_2001  SS_CFE_SR_COPM_2_201903097134132_20190309713420_2001  SS_CFE_SR_COPM_2_201903097134132_20190309713420_2001  SS_CFE_SR_COPM_2_201903097134132_20190309713420_2001  SS_CFE_SR_COPM_2_201903097134132_20190309713420_2001  SS_CFE_SR_COPM_2_201903097134132_20190309713420_2001  SS_CFE_SR_COPM_2_201903097134332_20190309713420_2001  SS_CFE_SR_COPM_2_201903097134332_20190309713420_2001  SS_CFE_SR_COPM_2_201903097134332_20190309713420_2001  SS_CFE_SR_COPM_2_201903097134332_20190309713430_2001  SS_CFE_SR_COPM_2_201903097134332_20190309713430_2001  SS_CFE_SR_COPM_2_20190309713430_20190309713430_2001  SS_CFE_SR_COPM_2_20190309713400_20190309713430_2001  SS_CFE_SR_COPM_2_20190309713400_20190309713430_2001  SS_CFE_SR_COPM_2_20190309713400_20190309713400_2001  SS_CFE_SR_COPM_2_201903	CS OFFL SIR GOPM 2 20190309T125957 20190309T133344 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190309T134134_20190309T14			The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20100309T141742_2010309T141632_CO01  SAFEL_SIR_GOPM_2_20100309T141648_20100309T14278_CO01  SAFEL_SIR_GOPM_2_20100309T141648_20100309T14278_CO01  SAFEL_SIR_GOPM_2_20100309T141648_20100309T14278_CO01  SAFEL_SIR_GOPM_2_20100309T141648_20100309T14278_CO01  SAFEL_SIR_GOPM_2_20100309T141648_20100309T14278_CO01  SAFEL_SIR_GOPM_2_20100309T141648_20100309T14278_CO01  SAFEL_SIR_GOPM_2_20100309T161658_20100309T152015_CO01  SAFEL_SIR_GOPM_2_20100309T161604_20100309T16509_CO01  SAFEL_SIR_GOPM_2_20100309T161604_20100309T16509_CO01  SAFEL_SIR_GOPM_2_20100309T16004_20100309T16509_CO01  SAFEL_SIR_GOPM_2_20100309T16004_20100309T16509_CO01  SAFEL_SIR_GOPM_2_20100309T16004_20100309T16509_CO01  SAFEL_SIR_GOPM_2_20100309T16004_20100309T16509_CO01  SAFEL_SIR_GOPM_2_20100309T16004_20100309T16509_CO01  SAFEL_SIR_GOPM_2_20100309T16004_20100309T16005_CO01  SAFEL_SIR_GOPM_2_20100309T16004_20100309T16005_CO01  SAFEL_SIR_GOPM_2_20100309T16004_20100309T16005_CO01  SAFEL_SIR_GOPM_2_20100309T16004_20100309T16005_CO01  SAFEL_SIR_GOPM_2_20100309T160005_C0010000000000000000000000000000000			
SOFFL SIR GOPM 2.01930309714374 2019309714275 C001  SOFFL SIR GOPM 2.01930309714474 2019309714275 C001  SOFFL SIR GOPM 2.01930309714474 2019309714275 C001  SOFFL SIR GOPM 2.019303097145052 2019309714275 C001  SOFFL SIR GOPM 2.019303097145052 20193097145052 C001  SOFFL SIR GOPM 2.019303097145052 20193097145052 C001  SOFFL SIR GOPM 2.019303097145052 C001  SOFFL SIR GOPM 2.019303097154052 C001  SOFFL SIR GOPM 2.019303097165052 C001  SOFFL SIR GOPM 2.01930309717975 C01930309717982 C001  SOFFL SIR GOPM 2.01930309717975 C01930309717982 C001  SOFFL SIR GOPM 2.01930309717975 C00193009717980 C001  SOFFL SIR GOPM 2.01930309717980 C001  SOFFL SIR GOPM 2.			
GS_OFFL_SIR_GOPM_2_201903097145582_201903097145592_C001  GS_OFFL_SIR_GOPM_2_201903097145582_201903097145592_C001  GS_OFFL_SIR_GOPM_2_201903097145592_201903097145592_C001  GS_OFFL_SIR_GOPM_2_201903097145592_01903097151316_C001  GS_OFFL_SIR_GOPM_2_201903097154597_201903097152015_C001  GS_OFFL_SIR_GOPM_2_201903097154592_01903097153005_C001  GS_OFFL_SIR_GOPM_2_201903097164005_201903097154501_C001  GS_OFFL_SIR_GOPM_2_201903097164005_201903097160015_C001  GS_OFFL_SIR_GOPM_2_201903097160015_C001  GS_OFFL_SIR_GOPM_2_20190309717005_C0010  GS_OFFL_SIR_GOPM_2_20190309719000717005_C001  GS_OFFL_SIR_GOPM_2_20190309719000717005_C001  GS_OFFL_SIR_GOPM_2_20190309719000717005_C001  GS_OFFL_SIR_GOPM_2_20190309719000717005_C0010  GS_OFFL_SIR_GOPM_2_20190309719000717005_C0010  GS_OFFL_SIR_GOPM_2_20190309719000717005_C0010  G			records.
GS_OFFL_SIR_GOPM_2_20190309714395_20190309715315_C001 SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records. SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records. SWH Averaging Status, Ocean Backscatter 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 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 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 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 SW	CS_OFFL_SIR_GOPM_2_20190309T134734_20190309T141632_C001	Backscatter Averaging Status	more records.
GS_OFFL_SIR_GOPM_2_20190309114434_20190309115316_C001 SS_OFFL_SIR_GOPM_2_2019030911457_20190309115316_C001 CS_OFFL_SIR_GOPM_2_2019030911547_20190309115316_C001 CS_OFFL_SIR_GOPM_2_2019030911547_20190309115316_C001 CS_OFFL_SIR_GOPM_2_20190309115457_2019030911556_C01 CS_OFFL_SIR_GOPM_2_20190309115457_2019030911556_C01 CS_OFFL_SIR_GOPM_2_201903091160522_C01903091160526_C01 CS_OFFL_SIR_GOPM_2_201903091160522_C01903091160526_C001 CS_OFFL_SIR_GOPM_2_201903091160526_C001 CS_OFFL_SIR_GOPM_2_201903091170767_20190309117065_C001 CS_OFFL_SIR_GOPM_2_201903091170767_20190309117065_C001 CS_OFFL_SIR_GOPM_2_201903091180506_C001 CS_OFFL_SIR_GOPM_2_201903091	CS_OFFL_SIR_GOPM_2_20190309T141648_20190309T142348_C001		more records.
SOFFL SIR GOPM 2 20190309T16305 20190309T17057 2019	CS_OFFL_SIR_GOPM_2_20190309T142525_20190309T142757_C001		records.
CS_OFFL_SIR_GOPM_2_20190309T151457_20190309T152015_C001  CS_OFFL_SIR_GOPM_2_20190309T15405_20190309T154051_C001  CS_OFFL_SIR_GOPM_2_20190309T15405_20190309T154051_C001  CS_OFFL_SIR_GOPM_2_20190309T164005_20190309T165803_C001  CS_OFFL_SIR_GOPM_2_20190309T164005_20190309T165803_C001  CS_OFFL_SIR_GOPM_2_20190309T164005_20190309T165805_C001  CS_OFFL_SIR_GOPM_2_20190309T16255_20190309T165255_C001  CS_OFFL_SIR_GOPM_2_20190309T16255_20190309T165255_C001  CS_OFFL_SIR_GOPM_2_20190309T16525_20190309T165255_C001  CS_OFFL_SIR_GOPM_2_20190309T16525_20190309T165255_C001  CS_OFFL_SIR_GOPM_2_20190309T16525_20190309T165255_C001  CS_OFFL_SIR_GOPM_2_20190309T16525_20190309T165255_C001  CS_OFFL_SIR_GOPM_2_20190309T16525_20190309T16526_C001  CS_OFFL_SIR_GOPM_2_20190309T16520_C001  CS_OFFL_SIR_GOPM_2_20190309T16505_20190309T170105_C001  CS_OFFL_SIR_GOPM_2_20190309T170105_C001  CS_OFFL_SIR_GOPM_2_20190309T170105_C0190309T17005_C001  CS_OFFL_SIR_GOPM_2_20190309T170105_C001  CS_OFFL_SIR_GOPM_2_20190309T170105_C001  CS_OFFL_SIR_GOPM_2_20190309T170105_C001  CS_OFFL_SIR_GOPM_2_20190309T170105_C001  CS_OFFL_SIR_GOPM_2_20190309T170105_C001  CS_OFFL_SIR_GOPM_2_20190309T17005_C0190309T170105_C001  CS_OFFL_SIR_GOPM_2_20190309T17005_C019030	CS_OFFL_SIR_GOPM_2_20190309T144314_20190309T145052_C001		
CS_OFFL_SIR_GOPM_2_20190309T154005_20190309T154005_C010  SWH Averaging Satus Flags have been set for one or more records.  SWH Averaging Satus Flags have been set for one or more records.  SWH Averaging Satus Flags have been set for one or more records.  SWH Averaging Satus Cean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Satus Cean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Satus Cean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Flags have been set for one or more records.  SWH Averaging Status Flags have been set for one or more records.  SWH Averaging Status Flags have been set for one or more records.  SWH Averaging Status Flags have been set for one or more records.  SWH Averaging Status Flags have been set for one or more records.  SWH Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cean Backscatter Averaging Status Flags have been set for	CS_OFFL_SIR_GOPM_2_20190309T145658_20190309T151316_C001		
Backscatter Averaging Status Flags have been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190309T156805_20190309T16555_CO01  SWH Averaging Status. Ocean Backscatter Averaging Status Flags have been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190309T162525_20190309T16555_CO01  SWH Averaging Status. Ocean Backscatter Averaging Status Flags have been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190309T162525_C0190309T16555_CO01  CS_OFFL_SIR_GOPM_2_20190309T165252_C0101  CS_OFFL_SIR_GOPM_2_20190309T165252_C0101  CS_OFFL_SIR_GOPM_2_20190309T165252_C0101  CS_OFFL_SIR_GOPM_2_20190309T16525_C001  CS_OFFL_SIR_GOPM_2_20190309T170757_20190309T17055_C001  CS_OFFL_SIR_GOPM_2_20190309T170757_20190309T17055_C001  CS_OFFL_SIR_GOPM_2_20190309T170757_20190309T170455_C001  CS_OFFL_SIR_GOPM_2_20190309T170757_20190309T170752_C001  CS_OFFL_SIR_GOPM_2_20190309T170757_20190309T170757_C001  CS_OFFL_SIR_GOPM_2_20190309T170757_C0100309T170757_C010  CS_OFFL_SIR_GOPM_2_20190309T180408_C001  CS_OFFL_SIR_GOPM_2_20190309T1904526_C001  CS_OFFL_SIR_GOPM_2_20190309T1904526_C001  CS_OFFL_SIR_GOPM_2_20190309T1904526_C001  C	CS_OFFL_SIR_GOPM_2_20190309T151457_20190309T152015_C001	Ice Backscatter Averaging Status	
Backscatter Averaging Status  CS_OFFL_SIR_GOPM_2_20190309T160545_20190309T160555_C001  SWH Averaging Status  CS_OFFL_SIR_GOPM_2_20190309T165255_20190309T165255_C001  SWH Averaging Status  CS_OFFL_SIR_GOPM_2_20190309T165255_20190309T165235_C001  SWH Averaging Status  CS_OFFL_SIR_GOPM_2_20190309T165255_20190309T16526_C001  CS_OFFL_SIR_GOPM_2_20190309T165926_C001  CS_OFFL_SIR_GOPM_2_20190309T165926_C001  CS_OFFL_SIR_GOPM_2_20190309T170757_20190309T170705_C001  CS_OFFL_SIR_GOPM_2_20190309T177757_20190309T170705_C001  CS_OFFL_SIR_GOPM_2_20190309T177757_20190309T1770855_C001  CS_OFFL_SIR_GOPM_2_20190309T177757_20190309T177942_C001  CS_OFFL_SIR_GOPM_2_20190309T177757_20190309T177942_C001  CS_OFFL_SIR_GOPM_2_20190309T173105_20190309T173065_C001  CS_OFFL_SIR_GOPM_2_20190309T173105_20190309T173806_C001  CS_OFFL_SIR_GOPM_2_20190309T173105_20190309T173806_C001  CS_OFFL_SIR_GOPM_2_20190309T18406_20190309T18342_C001  CS_OFFL_SIR_GOPM_2_20190309T183427_20190309T18342_C001  CS_OFFL_SIR_GOPM_2_20190309T183427_20190309T18342_C001  CS_OFFL_SIR_GOPM_2_20190309T183427_20190309T18342_C001  CS_OFFL_SIR_GOPM_2_20190309T183427_20190309T18342_C001  CS_OFFL_SIR_GOPM_2_20190309T183427_20190309T18342_C001  CS_OFFL_SIR_GOPM_2_20190309T183427_20190309T18342_C001  CS_OFFL_SIR_GOPM_2_20190309T183427_20190309T18342_C001  CS_OFFL_SIR_GOPM_2_20190309T18342_C001  CS_OFFL_SIR_GOPM_2_20190309T183427_20190309T184048_C001  CS_OFFL_SIR_GOPM_2_20190309T184437_20190309T201248_C001  CS_OFFL_SIR_GOPM_2_20190309T20123_Z0190309T20123_C001  CS_OFFL_SIR_GOPM_2_20190309T20123_Z0190309T20123_C001  CS_OFFL_SIR_GOPM_2_20190309T20123_Z0190309T20123_Z0190309T2012433_Z0190309T2012433_Z0190309T2012433_Z0190309T2012433_Z0190309T2012433_Z01	CS_OFFL_SIR_GOPM_2_20190309T153104_20190309T154351_C001		
CS_OFFL_SIR_GOPM_2_20190309T160041_20190309T163553_C001  SAWH Averaging Slatus.  SWH Averaging Slatus.  CS_OFFL_SIR_GOPM_2_20190309T165255_20190309T165255_C001  CS_OFFL_SIR_GOPM_2_20190309T165222_20190309T165265_C001  CS_OFFL_SIR_GOPM_2_20190309T165926_C001  CS_OFFL_SIR_GOPM_2_20190309T170757_20190309T170105_C001  CS_OFFL_SIR_GOPM_2_20190309T170757_20190309T170855_C001  CS_OFFL_SIR_GOPM_2_20190309T170757_20190309T17075_C001  CS_OFFL_SIR_GOPM_2_20190309T1805_20190309T1805_20190309T1805_20190309T1805_20190309T1805_20190309T1805_20190309T1805_20190309T1805_20190309T1805_20190309T1805_20190309T1805_20190309T1805_20190309T1805_20190309T1805_20190309T1805_20190309T1805_20190309T1805_20190309T1805_20190309T1805_20190309T1005_20190309T1005_20190309T1005_20190309T1005_20190309T1005_20190309T1005_20190309T1005_20190309T1005_20190309T1005_20190309T1005_20190309T201	CS_OFFL_SIR_GOPM_2_20190309T154605_20190309T155803_C001		
SS_OFFL_SIR_GOPM_2_20190309T163252_20190309T165235_CO01  SWH Averaging Slatus. Coean Backscatter Averaging Slatus Flags have been set for one or more records.  SWH Averaging Slatus Flags have been set for one or more records.  SWH Averaging Slatus Flags have been set for one or more records.  The SWH and Ocean Averaging Slatus Flags have been set for one or more records.  The loe Backscatter Averaging Slatus Flags have been set for one or more records.  The loe Backscatter Averaging Slatus Flags have been set for one or more records.  SWH Averaging Slatus. Ocean Backscatter Averaging Slatus Flags have been set for one or more records.  SWH Averaging Slatus. Ocean Backscatter Averaging Slatus Flags have been set for one or more records.  SWH Averaging Slatus Ocean Backscatter Averaging Slatus Flags have been set for one or more records.  SWH Averaging Slatus Ocean Backscatter Averaging Slatus Flags have been set for one or more records.  SWH Averaging Slatus Ocean Backscatter Averaging Slatus Flags have been set for one or more records.  SWH Averaging Slatus Ocean Backscatter Averaging Slatus Flags have been set for one or more records.  SWH Averaging Slatus Ocean Backscatter Averaging Slatus Flags have been set for one or more records.  SWH Averaging Slatus Ocean Backscatter Averaging Slatus Flags have been set for one or more records.  SWH Averaging Slatus Ocean Backscatter Averaging Slatus Flags have been set for one or more records.  SWH Averaging Slatus Ocean Backscatter Averaging Slatus Flags have been set for one or more records.  SWH Averaging Slatus Ocean Backscatter Averaging Slatus Flags have been set for one or more records.  SWH Averaging Slatus Ocean Backscatter Averaging Slatus Flags have been set for one or more records.  SWH Averaging Slatus Ocean Backscatter Averaging Slatus Flags have been set for one or more records.  SWH Averaging Slatus Flags Slatus Flags have been set for one or more records.  SWH Averaging Slatus Flags Slatus Flags have been set for one or more records.  SWH Averaging Sla	CS_OFFL_SIR_GOPM_2_20190309T160041_20190309T160155_C001		
Sylf Averaging Status. Ocean Backscatter Averaging Status. Cocen CS_OFFL_SIR_GOPM_2_20190309T165422_20190309T165956_C001	CS_OFFL_SIR_GOPM_2_20190309T162525_20190309T163553_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
In the Backscatter Averaging Status  CS_OFFL_SIR_GOPM_2_20190309T165422_20190309T170105_C001  CS_OFFL_SIR_GOPM_2_20190309T165950_20190309T170105_C001  CS_OFFL_SIR_GOPM_2_20190309T170757_20190309T170855_C001  SWHA Averaging Status  CS_OFFL_SIR_GOPM_2_20190309T171728_20190309T171942_C001  CS_OFFL_SIR_GOPM_2_20190309T171728_20190309T171942_C001  CS_OFFL_SIR_GOPM_2_20190309T1777057_20190309T177942_C001  CS_OFFL_SIR_GOPM_2_20190309T1777057_20190309T177942_C001  CS_OFFL_SIR_GOPM_2_20190309T1777057_20190309T177942_C001  CS_OFFL_SIR_GOPM_2_20190309T1777057_20190309T173006_C001  CS_OFFL_SIR_GOPM_2_20190309T173105_20190309T173006_C001  CS_OFFL_SIR_GOPM_2_20190309T173105_20190309T173006_C001  CS_OFFL_SIR_GOPM_2_20190309T181406_20190309T183132_C001  CS_OFFL_SIR_GOPM_2_20190309T183427_20190309T184048_C001  CS_OFFL_SIR_GOPM_2_20190309T183904_20190309T184048_C001  CS_OFFL_SIR_GOPM_2_20190309T184437_20190309T184048_C001  CS_OFFL_SIR_GOPM_2_20190309T184437_20190309T201118_C001  CS_OFFL_SIR_GOPM_2_20190309T194526_20190309T201118_C001  CS_OFFL_SIR_GOPM_2_20190309T194526_20190309T201180_C001  CS_OFFL_SIR_GOPM_2_20190309T201303_20190309T201566_C001  CS_OFFL_SIR_GOPM_2_20190309T201303_20190309T201566_C001  CS_OFFL_SIR_GOPM_2_20190309T201303_20190309T2015664_C001  CS_OFFL_SIR_GOPM_2_20190309T201432_20190309T2014333_C001  CS_OFFL_SIR_GOPM_2_20190309T201433_20190309T2015654_C001  CS_OFFL_SIR_GOPM_2_20190309T12209_20190309T2014333_C001  CS_OFFL_SIR_GOPM_2_20190309T201433_20190309T2015654_C001  CS_OFFL_SIR_GOPM_2_20190309T201433_20190309T2015654_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T2014333_C001  CS_OFFL_SIR_GOPM_2_20190309T201433_20190309T2014333_C001  CS_OFFL_SIR_GOPM_2_20190309T201433_20190309T2015654_C001  CS_OFFL_SIR_GOPM_2_20190309T204432_20190309T2045654_C001  CS_OFFL_SIR_GOPM_2_20190309T204432_20190309T2045654_C001  CS_OFFL_SIR_GOPM_2_20190309T204432_20190309T2045654_C001  CS_OFFL_SIR_GOPM_2_20190309T204432_20190309T2045654_C001  CS_OFFL_SIR_GOPM_2_20190309T204432_20190309T2045654_C001  CS_OFFL_SIR_GOPM_2_20190309T204	CS OFFL SIR GOPM 2 20190309T163732 20190309T165235 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190309T165950_20190309T170155_C001  CS_OFFL_SIR_GOPM_2_20190309T170757_20190309T170155_C001  SWH Averaging Status Coean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Coean Backscatter 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 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 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 Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The Ice Backscatter			The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T170757_20190309T170855_C001  SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status			The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T171728_20190309T171942_C001  Backscatter Averaging Status  SWH Averaging Status  SWH Averaging Status  SWH Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The 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 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 Ice Backscatter 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 Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The Ice Backsc			
Backscatter Averaging Status more records.  CS_OFFL_SIR_GOPM_2_20190309T172703_20190309T172942_C001  CS_OFFL_SIR_GOPM_2_20190309T173105_20190309T173806_C001  CS_OFFL_SIR_GOPM_2_20190309T181406_20190309T183132_C001  CS_OFFL_SIR_GOPM_2_20190309T1814406_20190309T183132_C001  CS_OFFL_SIR_GOPM_2_20190309T183427_20190309T183842_C001  CS_OFFL_SIR_GOPM_2_20190309T183427_20190309T183842_C001  CS_OFFL_SIR_GOPM_2_20190309T183904_20190309T180408_C001  CS_OFFL_SIR_GOPM_2_20190309T184437_20190309T190829_C001  CS_OFFL_SIR_GOPM_2_20190309T184437_20190309T190829_C001  CS_OFFL_SIR_GOPM_2_20190309T184437_20190309T201118_C001  CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201118_C001  CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201180_C001  CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201256_C001  CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201256_C001  CS_OFFL_SIR_GOPM_2_20190309T202344_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T214455_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T214455_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T214455_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T214455_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T214455_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T214455_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T214455_20190309T204654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T204654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T204654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T204654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T204654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T204664_C001  CS_OFF		Backscatter Averaging Status	more records.
Backscatter Averaging Status  CS_OFFL_SIR_GOPM_2_20190309T173105_20190309T173806_C001  CS_OFFL_SIR_GOPM_2_20190309T181406_20190309T183132_C001  CS_OFFL_SIR_GOPM_2_20190309T183427_20190309T183842_C001  CS_OFFL_SIR_GOPM_2_20190309T183427_20190309T183842_C001  CS_OFFL_SIR_GOPM_2_20190309T183904_20190309T184048_C001  CS_OFFL_SIR_GOPM_2_20190309T184447_20190309T184048_C001  CS_OFFL_SIR_GOPM_2_20190309T184447_20190309T184048_C001  CS_OFFL_SIR_GOPM_2_20190309T184447_20190309T184048_C001  CS_OFFL_SIR_GOPM_2_20190309T194526_20190309T201118_C001  CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201118_C001  CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201156_C001  CS_OFFL_SIR_GOPM_2_20190309T201803_20190309T201256_C001  CS_OFFL_SIR_GOPM_2_20190309T2012344_20190309T203556_C001  CS_OFFL_SIR_GOPM_2_20190309T202344_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  SWH Averaging Status  SWH Averaging Status  SWH Averaging Status  The SWH and Ocean Averaging Status Flag has been set for one or more records.  The SWH and Ocean Averaging Status Flag has been set for one or more records.  The SWH and Ocean Averaging Status Flag has been set for one or more records.  The SWH and Ocean Averaging Status Flag has been set for one or more records.  The SWH and Ocean Averaging Status Flag has been set for one or more records.  The SWH and Ocean Averaging Status Flag has been set for one or more records.  The SWH and Ocean Averaging Status Flag has been set for one or more records.  The Ice Backscatter Averaging Status Flag has been set for one or more records.  The Ice Backscatter Averaging Status Flag has been set for one or more records.  The Ice Backscatter Averaging Status Flag has been set for one or more records.  The Ice Backscatter Averaging Status Flag has been set for one or more records.  The Ice Backscatter Averaging Status Flag has been set for one or more records.  The Ice Backscatter Averaging Status Flag has been set for one or more records.  The Ice Backscatter Averaging Status Flag has been set	CS_OFFL_SIR_GOPM_2_20190309T171728_20190309T171942_C001	Backscatter Averaging Status	more records.
Backscatter Averaging Status  CS_OFFL_SIR_GOPM_2_20190309T181406_20190309T183132_C001  CS_OFFL_SIR_GOPM_2_20190309T183427_20190309T183442_C001  CS_OFFL_SIR_GOPM_2_20190309T183904_20190309T184048_C001  CS_OFFL_SIR_GOPM_2_20190309T183904_20190309T184048_C001  CS_OFFL_SIR_GOPM_2_20190309T184437_20190309T184048_C001  CS_OFFL_SIR_GOPM_2_20190309T184437_20190309T190829_C001  CS_OFFL_SIR_GOPM_2_20190309T194526_20190309T201118_C001  CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201118_C001  CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T20128_C001  CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T20128_C001  CS_OFFL_SIR_GOPM_2_20190309T201232_20190309T20128_C001  CS_OFFL_SIR_GOPM_2_20190309T201232_20190309T20128_C001  CS_OFFL_SIR_GOPM_2_20190309T201403_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T201432_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T201433_C00190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T2014445_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T2014345_20190309T214333_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  SWH Averaging Status  SWH Averaging Status  The loe Backscatter Averaging Status Flags have been set for one or more records.  The SWH and Ocean 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.  SWH Averaging Status, Ocean Backscatter Averaging Status  SWH Averaging Status, Ocean Backscatter Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status  SWH Averaging Status, Ocean The SWH and Oce	CS_OFFL_SIR_GOPM_2_20190309T172703_20190309T172942_C001	Backscatter Averaging Status	more records.
Backscatter Averaging Status  CS_OFFL_SIR_GOPM_2_20190309T183427_20190309T183842_C001  CS_OFFL_SIR_GOPM_2_20190309T183904_20190309T184048_C001  CS_OFFL_SIR_GOPM_2_20190309T183904_20190309T184048_C001  CS_OFFL_SIR_GOPM_2_20190309T184437_20190309T190829_C001  CS_OFFL_SIR_GOPM_2_20190309T194526_20190309T201118_C001  CS_OFFL_SIR_GOPM_2_20190309T194526_20190309T201118_C001  CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201756_C001  CS_OFFL_SIR_GOPM_2_20190309T201803_20190309T20128_C001  CS_OFFL_SIR_GOPM_2_20190309T201803_20190309T20128_C001  CS_OFFL_SIR_GOPM_2_20190309T201803_20190309T20128_C001  CS_OFFL_SIR_GOPM_2_20190309T201803_20190309T20128_C001  CS_OFFL_SIR_GOPM_2_20190309T201803_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  SWH Averaging Status  SWH Averaging Status  The loe Backscatter Averaging Status Flags have been set for one or more records.  The SWH and Ocean 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 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 mo	CS_OFFL_SIR_GOPM_2_20190309T173105_20190309T173806_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20190309T183904_20190309T190829_C001  CS_OFFL_SIR_GOPM_2_20190309T184437_20190309T190829_C001  CS_OFFL_SIR_GOPM_2_20190309T194526_20190309T201118_C001  CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201756_C001  CS_OFFL_SIR_GOPM_2_20190309T201803_20190309T201288_C001  CS_OFFL_SIR_GOPM_2_20190309T201803_20190309T201286_C001  CS_OFFL_SIR_GOPM_2_20190309T201803_20190309T201286_C001  CS_OFFL_SIR_GOPM_2_20190309T202344_20190309T203556_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T2041333	CS_OFFL_SIR_GOPM_2_20190309T181406_20190309T183132_C001		more records.
CS_OFFL_SIR_GOPM_2_20190309T18437_20190309T190829_C001  CS_OFFL_SIR_GOPM_2_20190309T194526_20190309T201118_C001  CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201118_C001  CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201756_C001  CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201756_C001  CS_OFFL_SIR_GOPM_2_20190309T201803_20190309T20128_C001  CS_OFFL_SIR_GOPM_2_20190309T202344_20190309T202128_C001  CS_OFFL_SIR_GOPM_2_20190309T202344_20190309T203556_C001  CS_OFFL_SIR_GOPM_2_20190309T202344_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T2021220_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  SWH Averaging Status  SWH Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The 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 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 SWH and Oc	CS_OFFL_SIR_GOPM_2_20190309T183427_20190309T183842_C001	Ice Backscatter Averaging Status	
CS_OFFL_SIR_GOPM_2_20190309T194526_20190309T201118_C001  CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201756_C001  CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201756_C001  CS_OFFL_SIR_GOPM_2_20190309T201803_20190309T202128_C001  CS_OFFL_SIR_GOPM_2_20190309T202344_20190309T202128_C001  CS_OFFL_SIR_GOPM_2_20190309T202344_20190309T203556_C001  CS_OFFL_SIR_GOPM_2_20190309T202344_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  SWH Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The 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 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.	CS_OFFL_SIR_GOPM_2_20190309T183904_20190309T184048_C001	Ice Backscatter Averaging Status	
CS_OFFL_SIR_GOPM_2_20190309T194526_20190309T201118_C001  CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201756_C001  CS_OFFL_SIR_GOPM_2_20190309T201803_20190309T20128_C001  CS_OFFL_SIR_GOPM_2_20190309T201803_20190309T202128_C001  CS_OFFL_SIR_GOPM_2_20190309T202344_20190309T203556_C001  CS_OFFL_SIR_GOPM_2_20190309T202344_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  SWH Averaging Status  SWH Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The 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 SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20190309T184437_20190309T190829_C001		
CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201756_C001  Ice Backscatter Averaging Status  The Ice Backscatter Averaging Status Flag has been set for one or more records.  The Ice Backscatter Averaging Status Flag has been set for one or more records.  The Ice Backscatter Averaging Status Flag has been set for one or more records.  The Ice Backscatter Averaging Status Flag has been set for one or more records.  The 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.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  SWH Averaging Status, Ocean Backscatter 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 SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20190309T194526_20190309T201118_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190309T201803_20190309T202128_C001  CS_OFFL_SIR_GOPM_2_20190309T202344_20190309T203556_C001  CS_OFFL_SIR_GOPM_2_20190309T202344_20190309T203556_C001  CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  SWH Averaging Status  The loe Backscatter 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 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.	CS_OFFL_SIR_GOPM_2_20190309T201233_20190309T201756_C001		The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T202344_20190309T203556_C001  SWH Averaging Status, Ocean Backscatter Averaging Status Status  SWH Averaging Status  SWH Averaging Status  SWH Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The 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 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.	CS_OFFL_SIR_GOPM_2_20190309T201803_20190309T202128_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190309T204132_20190309T205654_C001  SWH Averaging Status SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The 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.		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190309T212209_20190309T214333_C001  SWH Averaging Status SWH Averaging Status Find e 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.		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS. OFFL. SIR. GOPM. 2. 20190309T214445 20190309T215054 C001  SWH Averaging Status, Ocean  The SWH and Ocean Averaging Status Flags have been set for one or		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	00_0i 1 E_0ii1_00F ivi_2_201303031214413_201303031213034_0001		more records.

CS_OFFL_SIR_GOPM_2_20190309T215226_20190309T220034_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T220310_20190309T223800_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_20190309T232132_20190309T233021_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_20190309T233204_20190309T233722_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190309T234240_20190310T000532_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_20190309T084738_20190309T084847_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190309T225347_20190309T225509_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_20190309T011755_20190309T012218_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_20190309T033615_20190309T034141_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_20190309T040836_20190309T041037_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_20190309T044601_20190309T044749_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: 63

### 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:

6.2 P2P Product Header Analysis

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

Number of products with errors:

### 6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

### 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.

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20190309T002723_20190309T011657_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T011657_20190309T020637_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190309T020637_20190309T025611_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190309T025611_20190309T034550_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_20190309T034550_20190309T043524_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_20190309T043524_20190309T052504_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_20190309T052504_20190309T061438_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_20190309T061438_20190309T070417_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190309T070417_20190309T075351_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_20190309T075351_20190309T084331_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190309T084331_20190309T093305_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_220190309T093305_20190309T102245_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_20190309T102245_20190309T111219_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_220190309T111219_20190309T120158_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_220190309T120158_20190309T125132_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_20190309T125132_20190309T134112_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_220190309T134112_20190309T143046_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_220190309T143046_20190309T152025_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_220190309T152025_20190309T160959_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T160959_20190309T165939_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_220190309T165939_20190309T174913_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_220190309T174913_20190309T183852_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_220190309T183852_20190309T192826_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_220190309T192826_20190309T201806_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T201806_20190309T210740_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_20190309T210740_20190309T215720_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_220190309T215720_20190309T224654_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T224654_20190309T233633_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_20190309T233633_20190310T002607_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

## 6.7 P2P SWH and Backscatter Measurement Check

CryoSat P2P data includes a SWH Averaging Status flag and an Ocean and Ice Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are three common status flags raised in the P2P products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

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

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

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 29

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20190309T002723_20190309T011657_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_20190309T011657_20190309T020637_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_20190309T020637_20190309T025611_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_20190309T025611_20190309T034550_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_20190309T034550_20190309T043524_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_20190309T043524_20190309T052504_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_20190309T052504_20190309T061438_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_20190309T061438_20190309T070417_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_20190309T070417_20190309T075351_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_20190309T075351_20190309T084331_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_20190309T084331_20190309T093305_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_20190309T093305_20190309T102245_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_20190309T102245_20190309T111219_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_20190309T111219_20190309T120158_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_20190309T120158_20190309T125132_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_20190309T125132_20190309T134112_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_20190309T134112_20190309T143046_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_20190309T143046_20190309T152025_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_220190309T152025_20190309T160959_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_220190309T160959_20190309T165939_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_20190309T165939_20190309T174913_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_20190309T174913_20190309T183852_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_20190309T183852_20190309T192826_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_20190309T192826_20190309T201806_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_20190309T201806_20190309T210740_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_20190309T210740_20190309T215720_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_20190309T215720_20190309T224654_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_20190309T224654_20190309T233633_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_20190309T233633_20190310T002607_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

# 6.8 P2P Ocean Retracking Quality Check

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

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_20190309T002723_20190309T011657_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T011657_20190309T020637_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T020637_20190309T025611_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T025611_20190309T034550_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T034550_20190309T043524_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T043524_20190309T052504_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T052504_20190309T061438_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T061438_20190309T070417_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T070417_20190309T075351_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T075351_20190309T084331_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T084331_20190309T093305_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T093305_20190309T102245_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T102245_20190309T111219_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190309T111219_20190309T120158_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T120158_20190309T125132_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T125132_20190309T134112_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T134112_20190309T143046_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T143046_20190309T152025_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T152025_20190309T160959_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T160959_20190309T165939_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T165939_20190309T174913_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T174913_20190309T183852_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T183852_20190309T192826_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T201806_20190309T210740_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190309T210740_20190309T215720_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T215720_20190309T224654_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T224654_20190309T233633_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190309T233633_20190310T002607_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.