



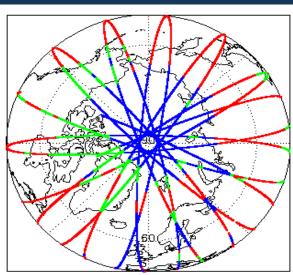
# 1. Overview

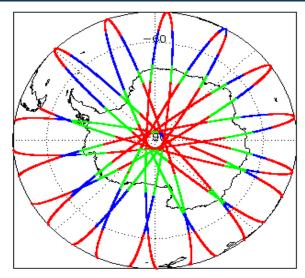
Report Production:	22-Oct-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

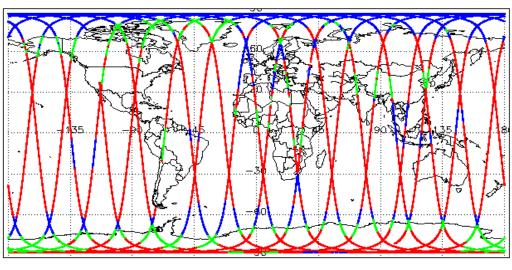
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7	See Section 6.6, 6.7
Ocean Retracking Quality Check	See Section 5.8	See Section 6.8

Mission / Instrument News		
16-Oct-2018	None	
17-Oct-2018	None	
18-Oct-2018	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. IOP 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 IOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

2

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20181017T114354_20181017T120202_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20181017T180239_20181017T180402_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

#### 4.6 L1B Waveform Group Data Check

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

Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected.

Number of products with errors:

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Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20181017T232806_20181017T233737_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181017T113942_20181017T114052_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181017T131900_20181017T132402_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181017T145349_20181017T145423_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181017T164106_20181017T164534_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181017T175937_20181017T180131_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181017T213040_20181017T213151_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181017T230834_20181017T231105_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181017T091516_20181017T091726_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181017T163234_20181017T164106_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181017T175903_20181017T175936_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181017T193907_20181017T193940_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181017T194424_20181017T194851_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181017T194958_20181017T195124_C001	Loss of Echo	The tracking echo is missing for one or more records

## 5. IOP Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

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

Number of products with errors:

0

#### 5.2 L2 Product Header Analysis

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

Number of products with errors:

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:

0

## 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:

2

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20181017T114354_20181017T120202_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20181017T180239_20181017T180402_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

## 5.6 L2 Range Measurement Check

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

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

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

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

Number of products with errors:

76

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20181017T002640_20181017T002923_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181017T003102_20181017T004421_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181017T004746_20181017T005246_C001	Ice Range Averaging Status	records.  The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T010049_20181017T013614_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T020102_20181017T022306_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T022832_20181017T023203_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T023211_20181017T023219_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T023919_20181017T030645_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T033925_20181017T040242_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T040614_20181017T0411117_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T041919_20181017T042927_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T043504_20181017T045233_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T050431_20181017T050705_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T051525_20181017T052508_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T053802_20181017T054042_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T054613_20181017T055149_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T055929_20181017T063156_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T063409_20181017T063456_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T064400_20181017T064553_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T070420_20181017T072008_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T072535_20181017T073044_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T073743_20181017T081328_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T082311_20181017T082507_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T083521_20181017T083941_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T084037_20181017T085813_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T091726_20181017T093628_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T093849_20181017T095109_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T100511_20181017T102348_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T102502_20181017T103849_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T104656_20181017T104856_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T105008_20181017T105358_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T105633_20181017T1111118_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T111320_20181017T112243_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T114053_20181017T114207_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T114354_20181017T120202_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T121754_20181017T121959_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T122505_20181017T123300_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T123615_20181017T125024_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T132448_20181017T132700_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T132742_20181017T135957_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T140334_20181017T140545_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T140606_20181017T141148_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T141617_20181017T143948_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T151115_20181017T152243_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T152819_20181017T153845_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOPM_2_20181017T154543_20181017T155014_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T155514_20181017T162144_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T162955_20181017T163233_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T164534_20181017T171635_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T172453_20181017T173028_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T173422_20181017T173814_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T180927_20181017T181149_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T182414_20181017T185655_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T190357_20181017T190909_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T191439_20181017T193054_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T200022_20181017T203543_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T204102_20181017T204355_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204409_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T204413_20181017T204812_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T205332_20181017T211915_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T211930_20181017T212708_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T214142_20181017T215333_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T215814_20181017T221458_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T221736_20181017T222254_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T224633_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T224847_20181017T230737_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T232806_20181017T233737_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T234012_20181017T235348_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T235700_20181018T000205_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181017T023220_20181017T023225_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181017T070308_20181017T070419_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181017T155015_20181017T155259_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20181017T002923_20181017T003102_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20181017T095512_20181017T095931_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20181017T215333_20181017T215813_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20181017T222705_20181017T223348_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

# 5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20181017T002640_20181017T002923_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_IOPM_2_20181017T003102_20181017T004421_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_IOPM_2_20181017T004746_20181017T005246_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T005312_20181017T005321_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T010049_20181017T013614_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_IOPM_2_20181017T020102_20181017T022306_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_IOPM_2_20181017T022832_20181017T023203_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T023211_20181017T023219_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T023226_20181017T023554_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181017T023919_20181017T030645_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_IOPM_2_20181017T033925_20181017T040242_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_IOPM_2_20181017T040614_20181017T041117_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

Computer Continue C		0.4/1.4	T. 0000 10 10 10 10 10 10 10 10 10 10 10 1
Compress	CS_OFFL_SIR_IOPM_2_20181017T041919_20181017T042927_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
20, PHI, BRI, COME_2, 1241-0171100012, 20190711000012, COME   C	CS_OFFL_SIR_IOPM_2_20181017T043504_20181017T045233_C001		
CS_CPT_SR_DPM_2_291607TT0520_201607TT0520_C011  CR_DPT_SR_DPM_2_291607TT0520_201607TT0520_C011  CR_DPT_SR_DPM_2_291607TT0520_20160TT0520_C011  CR_DPT_SR_DPM_2_291607TT0520_20160TT10520_C011  CR_DPT_SR_DPM_2_291607TT0520_20160TT10520_C011  CR_DPT_SR_DPM_2_291607TT0520_20160TT10520_C011  CR_DPT_SR_DPM_2_291607TT0520_20160TT10520_C011  CR_DPT_SR_DPM_2_291607TT0520_20160TT10520_C011  CR_DPT_SR_DPM_2_291607TT0520_20160TT10520_C011  CR_DPT_SR_DPM_2_291607TT0520_20160TT10520_C011  CR_DPT_SR_DPM_2_291607TT0520_C011  CR_DPT_	CS OFFL SIR IOPM 2 20181017T050431 20181017T050705 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Dec.   Company   Dec.			
South Settlem 2, 2018 1177 1000 20, 2018 1177 1170 20, 2018 1177 1170			
South Carlo Station Committee Commit	CS_OFFL_SIR_IOPM_2_20181017T054613_20181017T055149_C001		records.
Become Accept Ballacy Company	CS_OFFL_SIR_IOPM_2_20181017T055929_20181017T063156_C001		
Computer	CS_OFFL_SIR_IOPM_2_20181017T063409_20181017T063456_C001		
Sept. Bill. Comp. 2. predict TYTOTACE 201807/TYTOTACE COST  CO. GPF., Bill. Comp. 2. predict TYTOTACE 201807/TYTOTACE COST  CO	CS_OFFL_SIR_IOPM_2_20181017T064400_20181017T064553_C001	SWH Averaging Status, Ocean	
CS_CPE_SIX_CPM_2_2016167TT00246_2016107T100246_C016  CS_CPE_SIX_CPM_2_2016167TT00246_2016107T100246_C016  CS_CPE_SIX_CPM_2_2016167TT00246_2016107T100246_C016  CS_CPE_SIX_CPM_2_2016167TT00246_2016107T100246_C016  CS_CPE_SIX_CPM_2_2016167TT00246_2016107T100246_C016  CS_CPE_SIX_CPM_2_2016167TT00246_2016107T100246_C016  CS_CPE_SIX_CPM_2_2016167TT00246_C016  CS_CPE_SIX_CPM_2_2	CS OFFL SIR IOPM 2 20181017T070420 20181017T072008 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_CPFL_SR_CPM_2_20161077192402_20161077102403_0016			
So, OFT., SINLUPNIZ_2016107T109456_201607139856_003  SOVE_SINLUPNIZ_2016107T109456_201607139856_003  SOVE_SINLUPNIZ_2016107T10946_2016071109456_003  SOVE_SINLUPNIZ_2016107T10946_201607110946_003  SOVE_SINLUPNIZ_2016107T10946_2016007T109456_003  SOVE_SINLUPNIZ_2016107T10946_2016007T109456_003  SOVE_SINLUPNIZ_2016107T10946_2016007T109456_003  SOVE_SINLUPNIZ_2016107T10946_2016107T10946_003  SOVE_SINLUPNIZ_2016107T			
Sec. OFFL. SRI LONG 2, 2018/01/11/2002 2018/01/11/2003 COID  SRI LONG 2, 2018/01/11/2003 2018/01	CS_OFFL_SIR_IOPM_2_201810171073743_201810171081328_C001	Backscatter Averaging Status	more records.
Secretary According States.  Secretary Accord	CS_OFFL_SIR_IOPM_2_20181017T084037_20181017T085813_C001	Backscatter Averaging Status	more records.
Leadacated Averaging Status   Section 17 (1998)   Averaging Status   Section 17 (1998)   Averaging Status   Cover   Sec	CS_OFFL_SIR_IOPM_2_20181017T091726_20181017T093628_C001		
Headed and Communication (Communication) (Comm	CS_OFFL_SIR_IOPM_2_20181017T093849_20181017T095109_C001		
Section Processing Status  Section Processing Status  Section Processing Status  See Backscatter Averaging Status  Each Status  SWI Averaging Status  The loss Backscatter Averaging Status  The SWI and Deean Averaging Status Flag has been set for one or note  records.  SWI Averaging Status  The SWI and Doean Averaging Status Flag have been set for one or note  records.  SWI Averaging Status  The SWI and Doean Averaging Status Flag have been set for one or note  records.  The SWI and Doean Averaging Status Flag have been set for one or note  records.  SWI Averaging Status  SWI Averaging Status  The Loss Subscatter Averaging Status  The Loss Subscatter Averaging Status  The Loss Subscatter Averaging Status  The SWI and Doean Averaging Status Flag have been set for one or note  records.  SWI Averaging Status  The Loss Subscatter Averaging Status	CS_OFFL_SIR_IOPM_2_20181017T100511_20181017T102348_C001	0 0 .	
Es DEFL_SR_JOPA20181017T104866_20181017T104866_20101  CS_OFFL_SR_JOPA20181017T104866_20181017T104866_20101  CS_OFFL_SR_JOPA20181017T104865_20181017T111118_20_30181017T111118_20_30181017T111118_20_30181017T111118_20_30181017T11118_20_30181017T11118_20_30181017T11118_20_30181017T11118_20_30181017T11118_20_30181017T1118_20_30181017T1118_20_30181017T1118_20_30181017T118_20_30181017T118_20_30181017T118_20_30181017T118_20_30181017T118_20_30181017T118_20_30181017T118_20_30181017T118_20_30181017T118_20_30181017T118_20_30181017T118_20_30181017T118_20_30181017T18_20_3018_2018_2018_2018_2018_2018_2018_2018_2	CS_OFFL_SIR_IOPM_2_20181017T102502_20181017T103849_C001		
CS_CFFL_SR_JOPM_2_201810171105205_20181017111200_C011  CS_CFFL_SR_JOPM_2_20181017111120_20181017111200_C011  CS_CFFL_SR_JOPM_2_20181017111120_C011  CS_CFFL_SR_JOPM_2_20181017111200_C011  CS_CFFL_SR_JOPM_2_20181017111200_C011  CS_CFFL_SR_JOPM_2_20181017111200_C011  CS_CFFL_SR_JOPM_2_20181017111200_C011  CS_CFFL_SR_JOPM_2_20181017112000_C011  CS_CFFL_SR_JOPM_2_201810171132000_C011  CS_CFFL_SR_JOPM_2_201810177132000_C011  CS_CFFL_SR_JOPM_2_201810177132000_C011  CS_CFFL_S	CS_OFFL_SIR_IOPM_2_20181017T104656_20181017T104856_C001		
SOFFL.SRI, JOPM. 2, 2018/017711920, 2018/01771	CS_OFFL_SIR_IOPM_2_20181017T105008_20181017T105358_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
SOFEL_SRI_JOPM_2_20181017T114205_20181017T114205_20181017T114205_20181017T114205_20181017T114205_20181017T114205_20181017T114205_20181017T114205_20181017T114205_20181017T114205_20181017T114205_20181017T114205_20181017T114205_20181017T114205_20181017T114205_20181017T114205_20181017T114205_20181017T114205_20181017T114205_20181017T114206_20181017T114206_20181017T114206_20181017T114206_20181017T114206_20181017T114206_20181017T114206_20181017T1140056_20181017T140056_20181017T150056_20181017T15	CS_OFFL_SIR_IOPM_2_20181017T105633_20181017T1111118 C001		The SWH and Ocean Averaging Status Flags have been set for one or
SOFFL_SR_JOPM_2_20181017T14354_20181017T14202_C001  SOFFL_SR_JOPM_2_20181017T14354_20181017T12002_C001  SOFFL_SR_JOPM_2_20181017T12354_20181017T12002_C001  SOFFL_SR_JOPM_2_20181017T12205_20181017T12004_C001  SOFFL_SR_JOPM_2_20181017T12005_20181017T12004_C001  SOFFL_SR_JOPM_2_20181017T12005_20181017T12004_C001  SOFFL_SR_JOPM_2_20181017T12005_20181017T12004_C001  SOFFL_SR_JOPM_2_20181017T12005_20181017T14004_C001  SOFFL_SR_JOPM_2_20181017T14005_20181017T14004_C001  SOFFL_SR_JOPM_2_20181017T14005_20181017T14004_C001  SOFFL_SR_JOPM_2_20181017T14005_20181017T14004_C001  SOFFL_SR_JOPM_2_20181017T14005_20181017T14004_C001  SOFFL_SR_JOPM_2_20181017T14005_20181017T14004_C001  SOFFL_SR_JOPM_2_20181017T14005_20181017T14004_C001  SOFFL_SR_JOPM_2_20181017T14005_20181017T14004_C001  SOFFL_SR_JOPM_2_20181017T14005_20181017T14004_C001  SOFFL_SR_JOPM_2_20181017T15005_2018017T15004_C001  SOFFL_SR_JOPM_2_20181017T15005_201804_C001  SOFFL_SR_JOPM_2_20181017T16005_201804_C001  SOFFL_SR_JOPM_2_20181017T16005_201804_C001  SOFFL_SR_JOPM_2_20181017T16005_201804_C001  SOFFL_SR_JOPM_2_20181017T17005_201804_C001  SOFFL_SR_JOPM_2_201	CS OFFI SIR IOPM 2 20181017T111320 20181017T112243 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
SO, OFFL_SIR_JOPM_2_20181017112958_20181017112930_C001  SO, OFFL_SIR_JOPM_2_2018101712958_20181017112930_C001  SO, OFFL_SIR_JOPM_2_2018101712958_20181017112930_C001  SO, OFFL_SIR_JOPM_2_201810171712958_20181017112930_C001  SO, OFFL_SIR_JOPM_2_201810171712958_20181017112930_C001  SO, OFFL_SIR_JOPM_2_201810171712958_20181017113936_C001  SO, OFFL_SIR_JOPM_2_2018101717140002_20181017113936_C001  SO, OFFL_SIR_JOPM_2_2018101717140000_20181017113936_C001  SO, OFFL_SIR_JOPM_2_2018101717140000_20181017113936_C001  SO, OFFL_SIR_JOPM_2_2018101717140000_2018101713936_C001  SO, OFFL_SIR_JOPM_2_2018101717140000_20181017113936_C001  SO, OFFL_SIR_JOPM_2_2018101717140000_20181017113936_C001  SO, OFFL_SIR_JOPM_2_2018101717140000_20181017117100000_2018101711000000000000000000000000000000			
Backscatter Averaging Status  Fig. (PPM_2 2018/01/1712/350_2018/01/1712/350_0001)  GS_OFFL_SIR_IOPM_2 2018/01/1712/350_2018/01/1712/350_0001  GS_OFFL_SIR_IOPM_2 2018/01/1712/350_0018/01/1712/350_0001  GS_OFFL_SIR_IOPM_2 2018/01/1712/350_0018/01			
So, PFE_SIR_LOPM_2_201810177122915_201810177139050_C001  SO, PFE_SIR_LOPM_2_201810177122915_201810177139057_C001  SO, PFE_SIR_LOPM_2_201810177122915_201810177139057_C001  SO, PFE_SIR_LOPM_2_201810177140006_20181017714006_C00180177141146_C001  SO, PFE_SIR_LOPM_2_201810177140006_20181017714006_C00180177141146_C001  SO, PFE_SIR_LOPM_2_201810177140006_20181017714006_C00180177141146_C001  SO, PFE_SIR_LOPM_2_201810177140006_20181017714006_C00180177141146_C001  SO, PFE_SIR_LOPM_2_20181017714006_20181017714006_C00180177141146_C001  SO, PFE_SIR_LOPM_2_20181017714006_2018107714006_C0018017401714006_C001801714006_C001801714006_C001801714006_C001801714006_C001801714006_C001801714006_C001801714006_C001801714006_C001801714006_C001801714006_C001801714006_C001801714006_C001801714006_C001801714006_C001801714006_C001801714006_C001801714006_C001801740174006_C00		Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20181017112634_20181017113904_CO01  SO_OFFL_SIR_IOPM_2_201810171140066_201810171140565_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_201810171140565_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_201810171140666_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_201810171140666_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_201810171140666_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_201810171140666_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_201810171140666_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_201810171140066_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_201810171150066_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_201810171150066_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_201810171150016_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_201810171150016_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_201810171150016_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_201810171150016_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_201810171150016_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_20181017115016_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_201810171150016_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_2018101711700066_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_2018101711700066_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_2018101711700066_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_2018101711700066_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_2018101711700066_CO01  CS_OFFL_SIR_IOPM_2_201810171140066_2018101711700066_CO01  CS_OFFL_SIR_IOPM_2_201810171100066_201810171100066_CO01  CS_OFFL_SIR_IOPM_2_201810171100066_201810171100066_CO01  CS_OFFL_SIR_IOPM_2_201810171100066_201810171100066_CO01  CS_OFFL_SIR_IOPM_2_2018101711200066_201810171100066_CO01  CS_OFFL_SIR_IOPM_2_2018101711200066_C001  CS_OFFL_SIR_IOPM_2_2018101711200066_C001  CS_OFFL_SIR_IOPM_2_2018101711200066_C001  CS_OFFL_SIR_IOPM_2_2018101711200066_C001  CS_OFFL_SIR_IOPM_2_2018101711200066_C001  CS_OFFL_SIR_IOPM_2_2018101711200066_C001  CS_OFFL_SIR_IOPM_2_2018101711200066_C001  CS_OFFL_SIR_IOPM_2_201810171200066_C001  CS_OFFL_SIR_IOPM_2_201810171200066_C001  CS_OFFL_SIR_IOPM_2_201810171200066_C001  CS_OFFL_SIR_IOPM_2_2018101712	CS_OFFL_SIR_IOPM_2_20181017T121754_20181017T121959_C001		more records.
SOFFL SIR JOPM 2 20181017T132912 20181017T140505 2018017T140505 20181017T13935 2018  SOFFL SIR JOPM 2 20181017T140505 20181017T140505 2018  SOFFL SIR JOPM 2 20181017T140505 20181017T143945 2018  SOFFL SIR JOPM 2 20181017T140505 20181017T143945 2018  SOFFL SIR JOPM 2 20181017T151115 20181017T15243 2018  SOFFL SIR JOPM 2 20181017T15291 20181017T15244 2018  SOFFL SIR JOPM 2 20181017T15291 20181017T15244 2018  SOFFL SIR JOPM 2 20181017T15291 20181017T15244 2018  SOFFL SIR JOPM 2 20181017T15254 20181017T15244 2018  SOFFL SIR JOPM 2 20181017T15454 20181017T15244 2018  SOFFL SIR JOPM 2 20181017T15254 20181017T162144 2018  SOFFL SIR JOPM 2 20181017T15254 20181017T15244 2018  SOFFL SIR JOPM 2 20181017T15254 20181017T15244 2018  SOFFL SIR JOPM 2 20181017T15254 20181017T15254 20018  SOFFL SIR JOPM 2 20181017T15254 20181017T15254 20018  SOFFL SIR JOPM 2 20181017T15254 20181017T15254 200181017T15254 200181017T15254 200181017T15255 20018  SOFFL SIR JOPM 2 20181017T15254 20181017T15254 200181017T15255 20018  SOFFL SIR JOPM 2 20181017T15254 20181017T15255 20018  SOFFL SIR JOPM 2 20181017T15254 20181017T15255 20018  SOFFL SIR JOPM 2 20181017T15254 20181017T15255 20018  SOFFL SIR JOPM 2 20181017T15254 20181017T173055 20018  SOFFL SIR JOPM 2 20181017T15254 20181017T13055 20018  SOFFL SIR JOPM 2 20181017T120412 20181017T13055 20018  SOFFL SIR JOPM 2 20181017T12044 20181017T13055 20018  SOFFL SIR JOPM 2 20181017T12044 20181017T13055 20018  SOFFL SIR JOPM 2 20181017T12044 20181017T120455 20018  SOFFL SIR JOPM 2 20181017T12044 20181017T120455 20018  SOFFL SIR JOPM 2 20181017T20442 20181017T20445 20018  SOFFL SIR JOPM 2 20181017T20442 20181017T20445 20018  SOFFL SIR JOPM 2 20181017T20442 20181017T20445 200181017T20445 200	CS_OFFL_SIR_IOPM_2_20181017T122505_20181017T123300_C001		records.
Backscatter / Averaging Status  Fig. SIR_IOPM_2_2018101/T14008_2018101/T140454_C001  SO_OFFL_SIR_IOPM_2_2018101/T14008_2018101/T14148_C001  SO_OFFL_SIR_IOPM_2_2018101/T1410715_2018101/T14524_C001  SO_OFFL_SIR_IOPM_2_2018101/T15241_2018101/T15244_C001  SO_OFFL_SIR_IOPM_2_2018101/T152819_2018101/T15244_C001  SO_OFFL_SIR_IOPM_2_2018101/T152819_2018101/T15384_C001  SO_OFFL_SIR_IOPM_2_2018101/T152819_2018101/T15384_C001  SO_OFFL_SIR_IOPM_2_2018101/T152819_2018101/T15384_C001  SO_OFFL_SIR_IOPM_2_2018101/T152819_2018101/T15384_C001  SO_OFFL_SIR_IOPM_2_2018101/T15285_2018101/T15384_C001  SO_OFFL_SIR_IOPM_2_2018101/T15285_2018101/T175384_C001  SO_OFFL_SIR_IOPM_2_2018101/T174653_2018101/T175384_C001  SO_OFFL_SIR_IOPM_2_2018101/T174645_2018101/T1750450_C001  SO_OFFL_SIR_IOPM_2_2018101/T174645_2018101/T1750450_C001  SO_OFFL_SIR_IOPM_2_2018101/T174645_2018101/T1750450_C001  SO_OFFL_SIR_IOPM_2_2018101/T1760457_2018201/T1750450_C001  SO_OFFL_SIR_IOPM_2_2018101/T1760457_2018201/T1750450_C001  SO_OFFL_SIR_IOPM_2_2018101/T1760457_2018201/T1750450_C001  SO_OFFL_SIR_IOPM_2_2018101/T1760457_2018201/T1750450_C001  SO_OFFL_SIR_IOPM_2_2018101/T1760457_2018201/T1760450_C001  SO_OFFL_SIR_IOPM_2_2018101/T1760457_2018201001/T1760450_C001  SO_OFFL_SIR_IOPM_2_2018101/T1760457_2018201001/T1760450_C001  SO_OFFL_SIR_IOPM_2_2018101/T1760447_2018101/T1760450_C001  SO_OFFL_SI	CS_OFFL_SIR_IOPM_2_20181017T123615_20181017T125024_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20181017T14035_20181017T14036_001  SPH_Averaging Status.  CS_OFFL_SIR_IOPM_2_20181017T141817_20181017T143484_2001  SPH_Averaging Status.  SWH Averaging Status.  SWH Averaging Status.  SWH Averaging Status.  SWH Averaging Status.  The SWH and Ocean Averaging Status Flag has been set for one or more records.  SWH Averaging Status.  SWH Averaging Status.  SWH Averaging Status.  SWH Averaging Status.  The SWH and Ocean Averaging Status Flag have been set for one or more records.  SWH Averaging Status.  SWH A	CS_OFFL_SIR_IOPM_2_20181017T132742_20181017T135957_C001		more records.
CS_OFFL_SIR_IOPM_2_20181017T14918_2001  SWH_Avaraging Status  SWH_	CS_OFFL_SIR_IOPM_2_20181017T140334_20181017T140545_C001	Ice Backscatter Averaging Status	
GS_OFFL_SIR_IOPM_2_20181017T15218_020181017T152243_C001  SBOKERTER Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Stat	CS_OFFL_SIR_IOPM_2_20181017T140606_20181017T141148_C001		records.
South_Sire_Jorn_2_20181017T152819_20181017T152819_20181017T152819_20181017T152819_20181017T152819_20181017T152819_20181017T152819_20181017T152819_20181017T152819_20181017T152819_20181017T152814_20181017T152814_20181017T152814_20181017T152814_20181017T152814_20181017T152814_20181017T152814_20181017T152814_20181017T152814_20181017T152814_20181017T152814_20181017T152814_20181017T152814_20181017T152805_20181017T152814_20181017T152805_20181017T152814_20181017T152805_20181017T152805_20181017T152805_20181017T1752805_2018101771752805_2018101771752805_2018101771752805_2018101771752805_2018101771752805_2018101771752805_2018101771752805_201810177120805_2018101805_20180	CS_OFFL_SIR_IOPM_2_20181017T141617_20181017T143948_C001	Backscatter Averaging Status	more records.
S. OFFL_SIR_IOPM_2_20181017T15943_20181017T15954_CO1  S. OFFL_SIR_IOPM_2_20181017T16954_20181017T169504_CO1  S. OFFL_SIR_IOPM_2_20181017T16953_CO181017T17171717171717171717171717171717171	CS_OFFL_SIR_IOPM_2_20181017T151115_20181017T152243_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20181017T169458_20181017T169454_C001  S_OFFL_SIR_IOPM_2_20181017T16955_20181017T169323_C001  S_OFFL_SIR_IOPM_2_20181017T16955_20181017T173028_C001  S_OFFL_SIR_IOPM_2_20181017T173028_C001  S_OFFL_SIR_IOPM_2_20181017T173028_C001  S_OFFL_SIR_IOPM_2_20181017T173028_C001  S_OFFL_SIR_IOPM_2_20181017T173035_C001  S_OFFL_SIR_IOPM_2_20181017T173035_C001  S_OFFL_SIR_IOPM_2_20181017T192414_20181017T190090_C001  CS_OFFL_SIR_IOPM_2_20181017T190357_20181017T190090_C001  CS_OFFL_SIR_IOPM_2_20181017T190357_20181017T190090_C001  CS_OFFL_SIR_IOPM_2_20181017T190357_20181017T190090_C001  CS_OFFL_SIR_IOPM_2_20181017T190357_20181017T100000_C001  CS_OFFL_SIR_IOPM_2_20181017T200002_20181017T20000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20181017T152819_20181017T153845_C001		* * *
SS_OFFL_SIR_IOPM_2_20181017T162453_20181017T163233_CO01  SG_OFFL_SIR_IOPM_2_20181017T162453_20181017T173028_CO01  SG_OFFL_SIR_IOPM_2_20181017T172453_20181017T173028_CO01  SG_OFFL_SIR_IOPM_2_20181017T173453_20181017T173028_CO01  SG_OFFL_SIR_IOPM_2_20181017T173453_20181017T173028_CO01  SG_OFFL_SIR_IOPM_2_20181017T173422_20181017T173414_CO01  SG_OFFL_SIR_IOPM_2_20181017T173422_20181017T173414_CO01  SG_OFFL_SIR_IOPM_2_20181017T173414_CO01  SG_OFFL_SIR_IOPM_2_20181017T193057_20181017T190909_CO01  SG_OFFL_SIR_IOPM_2_20181017T193057_20181017T190090_CO01  SG_OFFL_SIR_IOPM_2_20181017T194439_20181017T190354_CO01  SG_OFFL_SIR_IOPM_2_20181017T2003543_CO01  SG_OFFL_SIR_IOPM_2_20181017T2003543_CO01  SG_OFFL_SIR_IOPM_2_20181017T2003543_CO01  SG_OFFL_SIR_IOPM_2_20181017T2003543_CO01  SG_OFFL_SIR_IOPM_2_20181017T204402_20181017T204409_CO01  SG_OFFL_SIR_IOPM_2_20181017T204533_CO01  SG_OFFL_SIR_IOPM_2_20181017T204533_CO01  SG_OFFL_SIR_IOPM_2_20181017T204533_CO01  SG_OFFL_SIR_IOPM_2_20181017T211930_20181017T211915_CO01  SG_OFFL_SIR_IOPM_2_20181017T211930_20181017T214533_CO01  SG_OFFL_SIR_IOPM_2_20181017T214402_20181017T214580_CO01  SG_OFFL_SIR_IOPM_2_20181017T214534_20181017T22456_CO01  SG_OFFL_SIR_IOPM_2_20181017T214403_C0181017T22456_CO01  SG_OFFL_SIR_IOPM_2_20181017T21436_20181017722456_CO01  SG_OFFL_SIR_IOPM_2_20181017721436_20181017722456_CO01  SG_OFFL_SIR_IOPM_2_20181017721436_20181017722456_CO01  SG_OFFL_SIR_IOPM_2_20181017724448_201810177224533_CO01  SG_OFFL_SIR_IOPM_2_201810177224536_CO01  SWH Averaging Status  SAWH Av	CS_OFFL_SIR_IOPM_2_20181017T154543_20181017T155014_C001	Ice Backscatter Averaging Status	
SS_OFFL_SIR_IOPM_2_20181017T162352_20181017T163233_C001 SG_OFFL_SIR_IOPM_2_20181017T174553_20181017T173814_C001 SS_OFFL_SIR_IOPM_2_20181017T173452_20181017T173814_C001 SS_OFFL_SIR_IOPM_2_20181017T173452_20181017T173814_C001 SS_OFFL_SIR_IOPM_2_20181017T173452_20181017T173814_C001 SS_OFFL_SIR_IOPM_2_20181017T173452_20181017T173814_C001 SS_OFFL_SIR_IOPM_2_20181017T193057_20181017T193054_C001 SS_OFFL_SIR_IOPM_2_20181017T193057_20181017T193054_C001 SS_OFFL_SIR_IOPM_2_20181017T200022_20181017T2003542_C001 SS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204409_C001 SS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204355_C001 SS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204409_C001 SS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204812_C001 SS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204812_C001 SS_OFFL_SIR_IOPM_2_20181017T21930_20181017T21915_C001 SS_OFFL_SIR_IOPM_2_20181017T21930_20181017T219533_C001 SSWH 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.  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.  SWH Averaging Status, Coean Backscatter Averaging Status, Coean Backscatter Averaging Status, Coean Backscatter Averaging Status, Coean Backscatter Averaging Status, Coean Backsca	CS_OFFL_SIR_IOPM_2_20181017T155514_20181017T162144_C001		
SWH Averaging Status Cocan Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20181017T172453_20181017T173028_C001 CS_OFFL_SIR_IOPM_2_20181017T173422_20181017T173028_C001 CS_OFFL_SIR_IOPM_2_20181017T173422_20181017T173028_C001 CS_OFFL_SIR_IOPM_2_20181017T173422_20181017T173028_C001 CS_OFFL_SIR_IOPM_2_20181017T173422_20181017T173028_C001 CS_OFFL_SIR_IOPM_2_20181017T173422_20181017T186655_C001 CS_OFFL_SIR_IOPM_2_20181017T190357_20181017T190909_C001 CS_OFFL_SIR_IOPM_2_20181017T190357_20181017T190909_C001 CS_OFFL_SIR_IOPM_2_20181017T190357_20181017T190909_C001 CS_OFFL_SIR_IOPM_2_20181017T204002_20181017T203543_C001 CS_OFFL_SIR_IOPM_2_20181017T204002_20181017T204355_C001 CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204355_C001 CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204409_C001 CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204409_C001 CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204409_C001 CS_OFFL_SIR_IOPM_2_20181017T204313_20181017T204512_C001 CS_OFFL_SIR_IOPM_2_20181017T204313_20181017T204502_C001 CS_OFFL_SIR_IOPM_2_20181017T2045132_C001 CS_OFFL_SIR_IOPM_2_20181017T204512_C001 CS_OFFL_SIR_IOPM_2_20181017T204532_C0181017T211708_C001 CS_OFFL_SIR_IOPM_2_20181017T211930_20181017T2117208_C001 CS_OFFL_SIR_IOPM_2_20181017T2117208_C001 CS_OFFL_SIR_IOPM_2_20181017T2117208_C001 CS_OFFL_SIR_IOPM_2_20181017T2117208_C001 CS_OFFL_SIR_IOPM_2_20181017T2117208_C001 CS_OFFL_SIR_IOPM_2_20181017T2117208_C001 CS_OFFL_SIR_IOPM_2_20181017T2117208_C001 CS_OFFL_SIR_IOPM_2_20181017T21721736_C001 CS_OFFL_SIR_IOPM_2_20181017T21721736_C011 CS_OFFL_SIR_IOPM_2_20181017721721736_C011 CS_OFFL_SIR_IOPM_2_20181017721721736_C011 CS_OFFL_SIR_IOPM_2_201810177221736_C011 CS_OFFL_SIR_	CS OFFL SIR IOPM 2 20181017T162955 20181017T163233 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20181017T172453_20181017T173028_C001  CS_OFFL_SIR_IOPM_2_20181017T173422_20181017T173814_C001  SWH Averaging Status Ocean Backscatter Averaging Status Coean Backscatter Averaging Status Coean Backscatter Averaging Status Coean Backscatter Averaging Status  SWH Averaging Status Coean Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_20181017T190357_20181017T190909_C001  CS_OFFL_SIR_IOPM_2_20181017T191439_20181017T190909_C001  CS_OFFL_SIR_IOPM_2_20181017T191439_20181017T190909_C001  CS_OFFL_SIR_IOPM_2_20181017T191439_20181017T190909_C001  CS_OFFL_SIR_IOPM_2_20181017T191439_20181017T203543_C001  SWH Averaging Status Coean Backscatter Averaging Status  SWH Averaging Status Coean Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_20181017T204102_20181017T204409_C001  CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204409_C001  CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204812_C001  CS_OFFL_SIR_IOPM_2_20181017T204401_20181017T204812_C001  CS_OFFL_SIR_IOPM_2_20181017T204401_20181017T204812_C001  CS_OFFL_SIR_IOPM_2_20181017T219130_20181017T21915_C001  SWH Averaging Status Coean Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_20181017T219130_20181017T21915_C001  SWH Averaging Status Coean Backscatter Averaging Status Coean Backscatter Averaging Status  The Loe Backscatter 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 Loe Backscatter Averaging Status Flag has been set for one or more records.  The Loe Backscatter Averaging Status Flag has been set for one or more records.  The Loe Backscatter Averaging Status Flag has been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Stat		0 0	
CS_OFFL_SIR_IOPM_2_20181017T17432_20181017T173814_C001  SWH Averaging Status Status, Ocean Backscatter Averaging Status Status Flags have been set for one or more records.  SWH Averaging Status 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 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.  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 Avera			
Segment of the segmen	CS_UFFL_SIR_IOPM_2_20181017T172453_20181017T173028_C001	0 0	records.
Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_20181017T190357_20181017T190909_C001  CS_OFFL_SIR_IOPM_2_20181017T191439_20181017T193054_C001  CS_OFFL_SIR_IOPM_2_20181017T200022_20181017T203543_C001  CS_OFFL_SIR_IOPM_2_20181017T200022_20181017T203543_C001  CS_OFFL_SIR_IOPM_2_20181017T204102_20181017T203543_C001  CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204355_C001  CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204409_C001  CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204409_C001  CS_OFFL_SIR_IOPM_2_20181017T204413_20181017T204409_C001  CS_OFFL_SIR_IOPM_2_20181017T204413_20181017T204812_C001  CS_OFFL_SIR_IOPM_2_20181017T204413_20181017T204812_C001  CS_OFFL_SIR_IOPM_2_20181017T205332_20181017T211915_C001  CS_OFFL_SIR_IOPM_2_20181017T21930_20181017T21708_C001  CS_OFFL_SIR_IOPM_2_20181017T214142_20181017T215333_C001  CS_OFFL_SIR_IOPM_2_20181017T215814_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T215814_20181017T2221458_C001  CS_OFFL_SIR_IOPM_2_20181017T215814_20181017T222254_C001  CS_OFFL_SIR_IOPM_2_20181017T2215814_20181017T222254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T2224633_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T2224633_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T2224630_C001  CS_OFFL_SIR_IOPM_2_20181017T225847_20181017T2224630_C001  CS_OFFL_SIR_IOPM_2_20181017T225844_20181017T22254_C001  CS_OFFL_SIR_IOPM_2_20181017T225844_20181017T22254_C001  CS_OFFL_SIR_IOPM_2_20181017T225846_20181017T22254_C001  CS_OFFL_SIR_IOPM_2_20181017T225846_20181017T22254_C001  CS_OFFL_SIR_IOPM_2_20181017T225846_20181017T22254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T22254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T224633_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T22254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T22254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T22254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T22254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T22254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T22254_C001  CS_OFFL_SIR_IOPM_2_20181017T2	CS_OFFL_SIR_IOPM_2_20181017T173422_20181017T173814_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20181017T190357_20181017T190399_C001  CS_OFFL_SIR_IOPM_2_20181017T200022_20181017T203543_C001  CS_OFFL_SIR_IOPM_2_20181017T200022_20181017T203543_C001  CS_OFFL_SIR_IOPM_2_20181017T204102_20181017T204355_C001  CS_OFFL_SIR_IOPM_2_20181017T2044102_20181017T204409_C001  CS_OFFL_SIR_IOPM_2_20181017T204413_20181017T204409_C001  CS_OFFL_SIR_IOPM_2_20181017T204413_20181017T204812_C001  CS_OFFL_SIR_IOPM_2_20181017T204413_20181017T204812_C001  CS_OFFL_SIR_IOPM_2_20181017T205332_20181017T21915_C001  CS_OFFL_SIR_IOPM_2_20181017T205332_20181017T21915_C001  CS_OFFL_SIR_IOPM_2_20181017T21930_20181017T219708_C001  CS_OFFL_SIR_IOPM_2_20181017T21930_20181017T219333_C001  CS_OFFL_SIR_IOPM_2_20181017T21930_20181017T215333_C001  CS_OFFL_SIR_IOPM_2_20181017T214142_20181017T215333_C001  CS_OFFL_SIR_IOPM_2_20181017T215814_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T215814_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T215814_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T215814_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T221736_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T221736_20181017T22254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T222454_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T222454_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T224533_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T224533_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T224533_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T224533_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T223348_2008018717230737_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_201810177230737_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_201810177224633_C001  CS_OFFL_SIR_IOPM_2_201810177223348_201810177224633_C001  CS_OFFL_SIR_IOPM_2_201810177223348_201810177224633_C001  CS_OFFL_SIR_IOPM_2_201810177223348_201810177224633_C001  CS_OFFL_SIR_IOPM_2_201810177223348_201810177224633_C001  CS_OFFL_SIR_IOPM_2_201810177223348_201810177224633_C001  CS_OFFL_SIR_IOPM_2_201810177223348_201810177224633_C001  CS_OFFL_SIR_IOPM_2_201810177223348_2018	CS_OFFL_SIR_IOPM_2_20181017T182414_20181017T185655_C001		more records.
CS_OFFL_SIR_IOPM_2_20181017T20022_20181017T203543_C001  CS_OFFL_SIR_IOPM_2_20181017T204102_20181017T204355_C001  CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204409_C001  CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204409_C001  CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204409_C001  CS_OFFL_SIR_IOPM_2_20181017T204413_20181017T204812_C001  CS_OFFL_SIR_IOPM_2_20181017T204413_20181017T204812_C001  CS_OFFL_SIR_IOPM_2_20181017T204413_20181017T204812_C001  CS_OFFL_SIR_IOPM_2_20181017T204332_20181017T211915_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_20181017T211930_20181017T212708_C001  CS_OFFL_SIR_IOPM_2_20181017T211930_20181017T215333_C001  CS_OFFL_SIR_IOPM_2_20181017T214142_20181017T21458_C001  CS_OFFL_SIR_IOPM_2_20181017T215814_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T215814_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T221736_20181017T2221458_C001  CS_OFFL_SIR_IOPM_2_20181017T221736_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T221736_20181017T22254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T2224633_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T2224633_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  SWH Averaging Status  The Ioe Backscatter Averaging Status Flag has been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The Ioe 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 Ioe Backscatter Averaging Status Flags have been set for one or more records.  The Ioe Bac	CS_OFFL_SIR_IOPM_2_20181017T190357_20181017T190909_C001	Ice Backscatter Averaging Status	
Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_20181017T204102_20181017T204409_C001  CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204409_C001  CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204812_C001  CS_OFFL_SIR_IOPM_2_20181017T204413_20181017T204812_C001  CS_OFFL_SIR_IOPM_2_20181017T205332_20181017T211915_C001  CS_OFFL_SIR_IOPM_2_20181017T205332_20181017T211915_C001  CS_OFFL_SIR_IOPM_2_20181017T205332_20181017T211915_C001  CS_OFFL_SIR_IOPM_2_20181017T211930_20181017T21708_C001  CS_OFFL_SIR_IOPM_2_20181017T211930_20181017T215333_C001  CS_OFFL_SIR_IOPM_2_20181017T214142_20181017T215333_C001  CS_OFFL_SIR_IOPM_2_20181017T215814_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T215814_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T221534_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T221534_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T221534_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T221534_20181017T222254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T222254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T222254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T222254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T222254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T2223348_20181017T222354_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T2223348_20181017T23348_20181017T23348_20018_20018_20018_20018_20018_20018_20018_20018_20018	CS_OFFL_SIR_IOPM_2_20181017T191439_20181017T193054_C001		
CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204409_C001  CS_OFFL_SIR_IOPM_2_20181017T204413_20181017T204812_C001  CS_OFFL_SIR_IOPM_2_20181017T204413_20181017T204812_C001  CS_OFFL_SIR_IOPM_2_20181017T204413_20181017T21915_C001  CS_OFFL_SIR_IOPM_2_20181017T21930_20181017T21915_C001  CS_OFFL_SIR_IOPM_2_20181017T211930_20181017T212708_C001  CS_OFFL_SIR_IOPM_2_20181017T211930_20181017T212708_C001  CS_OFFL_SIR_IOPM_2_20181017T214142_20181017T215333_C001  CS_OFFL_SIR_IOPM_2_20181017T214142_20181017T2215333_C001  CS_OFFL_SIR_IOPM_2_20181017T215814_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T215814_20181017T222154_C001  CS_OFFL_SIR_IOPM_2_20181017T221736_20181017T222254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T222254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T2224633_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T2224633_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T2224633_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T224633_C001  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T2224633_C001  SWH Averaging Status  SWH Averaging Status  The loe Backscatter Averaging Status Flag has been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The 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 on	CS_OFFL_SIR_IOPM_2_20181017T200022_20181017T203543_C001		
CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204409_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 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.  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 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 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.	CS_OFFL_SIR_IOPM_2_20181017T204102_20181017T204355_C001		
CS_OFFL_SIR_IOPM_2_20181017T204413_20181017T204812_C001  CS_OFFL_SIR_IOPM_2_20181017T205332_20181017T211915_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.  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 SWH and Ocean Averagi	CS_OFFL_SIR_IOPM_2_20181017T204402_20181017T204409_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181017T205332_20181017T211915_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_20181017T215814_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T221736_20181017T222254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T2224633_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T224633_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The Incomparity of the SWH and Ocean Averaging Status Flags have been set for one or more records.  The Incomparity of 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 Sta	CS_OFFL_SIR_IOPM_2_20181017T204413_20181017T204812_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181017T211930_20181017T212708_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status Status Status Status Flags have been set for one or more records.  CS_OFFL_SIR_IOPM_2_20181017T215814_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T221736_20181017T222254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T222254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T222254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T222633_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T222633_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  IThe 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_IOPM_2_20181017T205332_20181017T211915_C001		The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20181017T214142_20181017T215333_C001  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20181017T215814_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T221736_20181017T22254_C001  CS_OFFL_SIR_IOPM_2_20181017T221736_20181017T22254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T224633_C001  SWH Averaging Status  SWH Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The loe Backscatter Averaging Status Flag has been set for one or more records.  The loe Backscatter 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 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_IOPM_2_20181017T211930_20181017T212708_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20181017T221814_20181017T221458_C001  CS_OFFL_SIR_IOPM_2_20181017T221736_20181017T222254_C001  CS_OFFL_SIR_IOPM_2_20181017T2227348_20181017T222254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T222633_C001  SWH Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The loe Backscatter Averaging Status Flags have been set for one or more records.  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.		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20181017T221736_20181017T22254_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T224633_C001  CS_OFFL_SIR_IOPM_2_20181017T223348_20181017T224633_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.  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_IOPM_2_20181017T223348_20181017T224633_C001  SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or The SWH and Ocean Averaging Status Flags have been set for one or			The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFI_SIR_IOPM_2_20181017T224847_20181017T230737_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
		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	30_5, 1 E_0  \(\frac{1}{2}\)   0   0   1   1   1   2   4   0   1   2   2   1   1   1   1   2   2   1   1	Backscatter Averaging Status	more records.

CS_OFFL_SIR_IOPM_2_20181017T232806_20181017T233737_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_IOPM_2_20181017T234012_20181017T235348_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_IOPM_2_20181017T235700_20181018T000205_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181017T023220_20181017T023225_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181017T070308_20181017T070419_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_IOPN_2_20181017T155015_20181017T155259_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_IOPR_2_20181017T002923_20181017T003102_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_IOPR_2_20181017T095512_20181017T095931_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_IOPR_2_20181017T215333_20181017T215813_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_IOPR_2_20181017T222705_20181017T223348_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:

# 6. IOP 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: 0

#### 6.4 P2P Auxiliary Correction Error Check

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

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Number of products with errors: 0

#### 6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220181017T113808_20181017T122743_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220181017T172524_20181017T181502_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

#### 6.6 P2P Range Measurement Check

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

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

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

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

Number of products with errors: 29

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220181017T000333_20181017T005308_C002	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220181017T005308_20181017T014246_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181017T014246_20181017T023222_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_IOP_220181017T023222_20181017T032200_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181017T032200_20181017T041135_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_IOP_220181017T041135_20181017T050114_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_IOP_220181017T050114_20181017T055049_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_IOP_220181017T055049_20181017T064027_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181017T064027_20181017T073002_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_IOP_220181017T073002_20181017T081941_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_IOP_220181017T081941_20181017T090916_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181017T090916_20181017T095854_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_IOP_220181017T095854_20181017T104829_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_IOP_220181017T104829_20181017T113808_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_IOP_220181017T113808_20181017T122743_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_IOP_220181017T122743_20181017T131721_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_IOP_220181017T131721_20181017T140657_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181017T140657_20181017T145635_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_IOP_220181017T145635_20181017T154610_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181017T154610_20181017T163549_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_IOP_220181017T163549_20181017T172524_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_IOP_220181017T172524_20181017T181502_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_IOP_220181017T181502_20181017T190437_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181017T190437_20181017T195416_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_IOP_220181017T195416_20181017T204351_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181017T204351_20181017T213329_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_IOP_220181017T213329_20181017T222304_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_IOP_220181017T222304_20181017T231243_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181017T231243_20181018T000218_C003	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

## 6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220181017T000333_20181017T005308_C002	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181017T005308_20181017T014246_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_IOP_2_20181017T014246_20181017T023222_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_IOP_220181017T023222_20181017T032200_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_IOP_2_20181017T032200_20181017T041135_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_IOP_2_20181017T041135_20181017T050114_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_IOP_2_20181017T050114_20181017T055049_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_IOP_2_20181017T055049_20181017T064027_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_IOP_2_20181017T064027_20181017T073002_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_IOP_2_20181017T073002_20181017T081941_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_IOP_2_20181017T081941_20181017T090916_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_IOP_2_20181017T090916_20181017T095854_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_IOP_2_20181017T095854_20181017T104829_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_IOP_2_20181017T104829_20181017T113808_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_IOP_2_20181017T113808_20181017T122743_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_IOP_2_20181017T122743_20181017T131721_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_IOP_2_20181017T131721_20181017T140657_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_IOP_2_20181017T140657_20181017T145635_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_IOP_220181017T145635_20181017T154610_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_IOP_220181017T154610_20181017T163549_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_IOP_2_20181017T163549_20181017T172524_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_IOP_2_20181017T172524_20181017T181502_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_IOP_2_20181017T181502_20181017T190437_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_IOP_2_20181017T190437_20181017T195416_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_IOP_2_20181017T195416_20181017T204351_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_IOP_2_20181017T204351_20181017T213329_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_IOP_2_20181017T213329_20181017T222304_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_IOP_2_20181017T222304_20181017T231243_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_IOP_220181017T231243_20181018T000218_C003	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

#### 6.8 P2P Ocean Retracking Quality Check

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

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

Number of products with errors:

CS\_OFFL\_SIR\_IOP\_2\_\_20181017T000333\_20181017T005308\_C002 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_IOP\_2\_\_20181017T005308\_20181017T014246\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR IOP 2 20181017T014246 20181017T023222 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_IOP\_2\_\_20181017T023222\_20181017T032200\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_IOP\_2\_\_20181017T032200\_20181017T041135\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_IOP\_2\_\_20181017T041135\_20181017T050114\_C001 The Ocean Retracking Quality Flag has been set for one or more records. Ocean Retracking Quality Flag CS\_OFFL\_SIR\_IOP\_2\_\_20181017T050114\_20181017T055049\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_IOP\_2\_\_20181017T055049\_20181017T064027\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR IOP 2 20181017T064027 20181017T073002 C001 The Ocean Retracking Quality Flag has been set for one or more records. Ocean Retracking Quality Flag CS\_OFFL\_SIR\_IOP\_2\_\_20181017T073002\_20181017T081941\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR IOP 2 20181017T081941 20181017T090916 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_IOP\_2\_\_20181017T090916\_20181017T095854\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_IOP\_2\_\_20181017T095854\_20181017T104829\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR IOP 2 20181017T104829 20181017T113808 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_IOP\_2\_\_20181017T113808\_20181017T122743\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_IOP\_2\_\_20181017T131721\_20181017T140657\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR IOP 2 20181017T140657 20181017T145635 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_IOP\_2\_\_20181017T145635\_20181017T154610\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_IOP\_2\_\_20181017T154610\_20181017T163549\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR IOP 2 20181017T163549 20181017T172524 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_IOP\_2\_\_20181017T172524\_20181017T181502\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_IOP\_2\_\_20181017T181502\_20181017T190437\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR IOP 2 20181017T195416 20181017T204351 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_IOP\_2\_\_20181017T204351\_20181017T213329\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_IOP\_2\_\_20181017T213329\_20181017T222304\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR IOP 2 20181017T222304 20181017T231243 C001 The Ocean Retracking Quality Flag has been set for one or more records. Ocean Retracking Quality Flag CS\_OFFL\_SIR\_IOP\_2\_\_20181017T231243\_20181018T000218\_C003 The Ocean Retracking Quality Flag has been set for one or more records. Ocean Retracking Quality Flag