



# 1. Overview

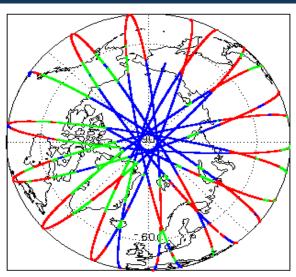
Report Production:	17-Aug-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

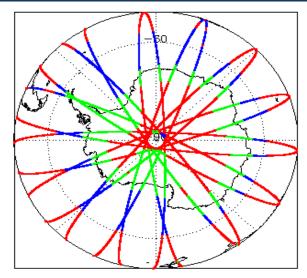
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	See Section 5.2	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
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

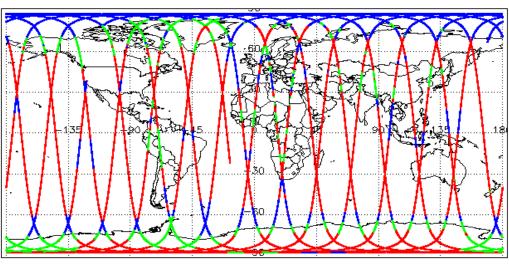
Mission / Instrument News		
14-Aug-2018	None	
14-Aug-2018 15-Aug-2018	None	

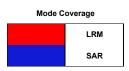
16-Aug-2018 Nothing planned

# 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_20180815T171017_20180815T171707_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20180815T200951_20180815T201046_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:

19

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20180815T033932_20180815T034155_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180815T084946_20180815T085331_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180815T112843_20180815T115941_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180815T201437_20180815T201559_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180815T020254_20180815T020817_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180815T034304_20180815T034515_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180815T034526_20180815T034704_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180815T065605_20180815T070218_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180815T134602_20180815T134639_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180815T142619_20180815T143220_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180815T233506_20180815T233606_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180815T233747_20180815T233820_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180815T085935_20180815T090022_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180815T092506_20180815T093030_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180815T094029_20180815T094424_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180815T210305_20180815T210716_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180815T214442_20180815T214820_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180815T215028_20180815T215156_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180815T224230_20180815T224558_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:

1

Product	Test Failed
CS_OFFL_SIR_IOPR_2_20180815T041021_20180815T041025_C001	Percentage of processing errors detected greater than minimum acceptable threshold.

# 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

#### 5.4 L2 Auxiliary Correction Error Check

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

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.

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180815T171017_20180815T171706_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_20180815T200951_20180815T201046_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. 86

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180814T235035_20180815T002341_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T002626_20180815T002748_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T003627_20180815T005048_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T005529_20180815T005729_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T005734_20180815T011224_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T011452_20180815T012012_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T013124_20180815T014345_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T014537_20180815T020254_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T022517_20180815T023448_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T023651_20180815T025125_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T025417_20180815T025912_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T025915_20180815T025923_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T030831_20180815T031023_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T032513_20180815T032919_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T032924_20180815T033809_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T041511_20180815T043016_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T044606_20180815T050818_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T050823_20180815T051929_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T054440_20180815T060917_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T061335_20180815T061740_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T061759_20180815T062124_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T062502_20180815T063553_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T064126_20180815T065120_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T065315_20180815T065604_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T072240_20180815T074836_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T075212_20180815T075653_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T075657_20180815T080028_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T080523_20180815T083814_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T084946_20180815T085331_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T092240_20180815T092505_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T093157_20180815T093719_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T094424_20180815T100525_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T100811_20180815T101938_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T102922_20180815T103325_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T104929_20180815T105419_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T105607_20180815T110614_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T111131_20180815T1111618_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T112332_20180815T112834_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T112843_20180815T115941_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T121526_20180815T124356_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T125331_20180815T125523_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T130306_20180815T131944_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

00 0551 015 10514 0 004000457400405 004000457400444 0004	One of December Assessment Otation	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180815T132425_20180815T133144_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180815T135256_20180815T140827_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180815T141041_20180815T142457_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180815T143220_20180815T143436_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T144210_20180815T145613_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T145752_20180815T151340_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T153445_20180815T154154_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T154317_20180815T154527_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T155151_20180815T160601_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T161009_20180815T161840_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T162208_20180815T164340_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T171017_20180815T171706_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T172125_20180815T174534_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T174917_20180815T175109_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T175204_20180815T175646_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T180143_20180815T182601_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T183343_20180815T183645_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T183751_20180815T183856_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T185827_20180815T190822_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T191401_20180815T192350_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T193123_20180815T193717_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T194032_20180815T200745_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T201437_20180815T201559_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T201605_20180815T201746_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T201751_20180815T201817_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T202956_20180815T210304_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T211030_20180815T211548_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T211950_20180815T212026_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T215324_20180815T215734_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T220745_20180815T220853_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T220905_20180815T221830_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180815T222116_20180815T224230_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T224917_20180815T225031_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180815T225038_20180815T225444_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180815T230000_20180815T230949_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180815T231137_20180815T231746_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPN_2_20180815T043147_20180815T043359_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPN_2_20180815T125524_20180815T125845_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPN_2_20180815T125938_20180815T130150_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPN 2 20180815T135038 20180815T135256 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPR 2 20180815T080147 20180815T080523 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPR_2_20180815T110614_20180815T111012_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPR_2_20180815T120740_20180815T121021_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
		records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPR_2_20180815T131944_20180815T132425_C001	Ocean Range Averaging Status	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.

Section Control (1997) and Contr	Product	Toot Foiled	Description
Section Control Control (1997) Contr		Test Failed SWH Averaging Status, Ocean	Description   The SWH and Ocean Averaging Status Flags have been set for one or
Section (1997) and purpose processors (1997) and purpose processor		Backscatter Averaging Status	
Secretary Company States (Company States)  GO FILL BIR COME 2 2018501701242 2218501701243 COME AND ADMINISTRATION OF THE ADMINISTRAT	CS_OFFL_SIR_IOPM_2_20180815T002626_20180815T002748_C001		records.
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and germs, and under a patient month of patient place to the original place of the patient pl	CS_OFFL_SIR_IOPM_2_20180815T005734_20180815T011224_C001	SWH Averaging Status, Ocean	
Sey films (Dean June 2 proteins strotches) (Coloral Colorador Accessed			
Section 1. Configuration of the Configuration of th	CS_OFFL_SIR_IOPM_2_201808151011452_201808151012012_C001		records.
COPPLE BILLION 2. 20080191732232 (20180191732202 COPP)  COPPLE BILLION 2. 20080191732233 (20180191732202 COPP)  COPPLE BILLION 2. 2008019173223 (20180191732202 COPP)  COPPLE BILLION 2. 2008019173220 (2018019173202 COPP)  COPPLE BILLION 2. 2008019173220 (2018019173202 COPP)  COPPLE BILLION 2. 2008019173220 (20180191732002 COPP)  COPPLE BILLION 2. 200801917320 (20180191732002 COPP)  COPPLE BILLION 2. 200801917320 (2018019173000 COPP)  COPPLE BILLION 2. 2008019173000 COPP (201801917300 COPP)  COPPLE BILLION 2. 2008019173000 COPP (201801917300 COPP)  COPPLE BILLION 2. 2008019173000 COPP (201801917300 COPP)  COPPLE BILLION 2. 200801917300 COPP (201801917300 COPP)	CS_OFFL_SIR_IOPM_2_20180815T013124_20180815T014345_C001		
Section   Comparison   Compar	CS_OFFL_SIR_IOPM_2_20180815T014537_20180815T020254_C001		
SQUITTLERCOPPLZ_20100015102091_2010015102092_COOT   SQUITTLERCOPPLZ_20100015102091_2010015102092_COOT   SQUITTLERCOPPLZ_20100015102091_2010015102092_COOT   SQUITTLERCOPPLZ_20100015102091_20100015102092_COOT   SQUITTLERCOPPLZ_20100015102091_2010015102092_COOT   SQUITTLERCOPPLZ_20100015102091_2010015102092_COOT   SQUITTLERCOPPLZ_20100015102091_2010015102092_COOT   SQUITTLERCOPPLZ_20100015102091_2010015102092_COOT   SQUITTLERCOPPLZ_20100015102091_2010015102092_COOT   SQUITTLERCOPPLZ_20100015102091_2010015102092_COOT   SQUITTLERCOPPLZ_20100015102091_2010015102092_COOT   SQUITTLERCOPPLZ_20100015102091_2010015102092_COOT   SQUITTLERCOPPLZ_20100015102092_COOT   SQUITTLERCOPPLZ	CS OFFL SIR IOPM 2 20180815T022517 20180815T023448 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Communication   Communicatio			
Co.Ph. SR. (1994 _2.0000011500015) 2.0198151000012 (2001	CS_OFFL_SIR_IOPM_2_201808151023651_201808151025125_C001		more records.
COUTLINE COME 20 JOURNAL STORMS TO STORMS COURS AND ADMINISTRATIONS COURS AND ADMINISTRATION COU	CS_OFFL_SIR_IOPM_2_20180815T025417_20180815T025912_C001	Ice Backscatter Averaging Status	
Seg. CHEL SER, LOW 2, 201800191700191 (20180191704018). CORE SERVICE AND ADMINISTRATION OF THE SERVICE AND CORE	CS_OFFL_SIR_IOPM_2_20180815T025915_20180815T025923_C001	Ice Backscatter Averaging Status	
S. OFFL. SR. JOHN 2. 20188917102924. 20188917103919. C001  S. OFFL. SR. JOHN 2. 20188917103919. C018891703919. C001  S. OFFL. SR. JOHN 2. 20188917103919. C018891703919. C01891703919. C	CS_OFFL_SIR_IOPM_2_20180815T030831_20180815T031023_C001		
SO, OFTL, SRI, IOPM 2, 20188618T040161 (20188618T04016) COID  SOUND APPROPRIES SINCE, Cores in Seasonable Averaging Status in Cores more record.  SOUND APPROPRIES SINCE, Cores in Seasonable Averaging Status in Cores more record.  SOUND APPROPRIES SINCE, Cores in Seasonable Averaging Status in Seasonable Avera	CS OFFI SID JODAN 2 20140004FT022024 20140004FT022000 C001	9 0	
Secondary Averaging Status  On States Control PMIL (PMIL 2) 2018/08/19704400, 2018/08/197045018 (2018)  Secondary Averaging Status Averaging Status Core and Secondary Averagi	C3_OFFL_3IK_IOFW_2_201606131032924_201606131033609_C001		
SQUELLE SHOWN A CONTROL OF THE SHOWN AND CONTR	CS_OFFL_SIR_IOPM_2_20180815T041511_20180815T043016_C001		more records.
Sackscatter Averaging Status  File Status Course  SWH Averaging Status  SWH Averaging St	CS_OFFL_SIR_IOPM_2_20180815T043901_20180815T044025_C001	Ice Backscatter Averaging Status	
Schools, Self-List, OPPL 2, 20180815706042, 201808157106042, 2018081	CS_OFFL_SIR_IOPM_2_20180815T044606_20180815T050818_C001		The SWH and Ocean Averaging Status Flags have been set for one or
Special Part Averaging States  GOPPE, SIRL (DPM, 2, 201606157061755, 201600157067740, C001  Special Part Averaging States Page have been set for one or more records.  Special Part Averaging States Page have been set for one or more records.  Special Part Part Part Part Part Part Part Part		SWH Averaging Status, Ocean	
So, OFFL, SRI, OFM, 2, 201808151008172002 201804151008202 CO10  So, OFFL, SRI, OFM, 2, 201808151008202 201804151008303 CO10  So, OFFL, SRI, OFM, 2, 201808151008203 CO10  So, OFFL, SRI, OFM, 2, 20180815100812 CO1803 C		Backscatter Averaging Status	more records.
Secret., Sill., OPML 2, 201809157062502, 201809157063505, COOT Secret., Sill., OPML 2, 201809157063505, 201809157063505, COOT Secret., Sill., OPML 2, 201809157062506, COOT Secret., Sill., OPML 2, 2018091571062506, COOT Secret., Sill., OPML 2, 2018091571062606, COOT Secret., Sill., OPML 2, 2018091571062606, COOT Secret., Sill., OPML 2, 2018091571062606, COOT Secret.,	CS_OFFL_SIR_IOPM_2_20180815T054440_20180815T060917_C001		more records.
to 8 ackscatter Averaging Status. Flags been set for one or more records.  Set SHK, 10PM, 2, 201809151082502, 201809151085102, C001  SPAN Averaging Status. Plags there been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for one or more records.  SPAN Averaging Status. Plags have been set for on	CS_OFFL_SIR_IOPM_2_20180815T061335_20180815T061740_C001	Ice Backscatter Averaging Status	
SQ. OFFL_SIR_OPM_2_201808157062502_201808157068512_COID  SWH Averaging Status. Coan because the seconds. SWH Averaging Status Plags have been set for one or more records.  SWH Averaging Status. Coan because the seconds. SWH Averaging Status. Coan because the value of the seconds. SWH Averaging Status. Coan because the seconds. SWH Averaging Status. Coan because the value of the seconds. SWH Averaging Status. Coan because the value of the seconds. SWH Averaging Status. Coan because the value of the seconds. SWH Averaging Status. Coan because the value of the seconds. SWH Averaging Status. Coan because the value of the seconds. SWH Averaging Status. Coan because the value of the seconds. SWH Averaging Status. Swan the	CS OFFL SIR IOPM 2 20180815T061759 20180815T062124 C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
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S. OFFL_SIR_JOPM_2_201808151707240_201808151707663_C001  S. OFFL_SIR_JOPM_2_201808151707667_201808151707663_C001  CS. OFFL_SIR_JOPM_2_201808151707667_201808151708028_C001  S. OFFL_SIR_JOPM_2_20180815170867_201808151708028_C001  S. OFFL_SIR_JOPM_2_2018081570867_20180815708081_C001  Backscatter Averaging Status  S. OFFL_SIR_JOPM_2_20180815708067_20180815708081_C001  Backscatter Averaging Status  S. OFFL_SIR_JOPM_2_20180815708067_20180815708081_C001  S. OFFL_SIR_JOPM_2_20180815708047_201808157080879_C001  CS. OFFL_SIR_JOPM_2_201808157080472_201808157108085_C001  Backscatter Averaging Status  S. OFFL_SIR_JOPM_2_201808157080472_20180815710808_C001  S. OFFL_SIR_JOPM_2_201808157080472_20180815710808_C001  S. OFFL_SIR_JOPM_2_20180815710808_C001  S. OFFL_SIR_JOPM_2_20180815710808_C001  S. OFFL_SIR_JOPM_2_20180815710808_C001  S. OFFL_SIR_JOPM_2_201808157110808_C001  S. OFFL_SIR_JOPM_2_2018081571110808_C001  S. OFFL_SIR_JOPM_2_201808157110808_C001  S. OFFL_SIR_JOPM_2_2	CS_OFFL_SIR_IOPM_2_20180815T065315_20180815T065604_C001		
CS_OFFL_SIR_IOPM_2_201808151708267_201808157083026_C001  CS_OFFL_SIR_IOPM_2_20180815708367_201808157083026_C001  SWH Averaging Status S	CS_OFFL_SIR_IOPM_2_20180815T072240_20180815T074836_C001	SWH Averaging Status, Ocean	
CC_OFFL_SIR_IOPM_2_20180815T005023_20180815T006028_C001  SC_OFFL_SIR_IOPM_2_20180815T006023_20180815T006331_C001  SC_OFFL_SIR_IOPM_2_20180815T006023_20180815T006331_C001  SC_OFFL_SIR_IOPM_2_20180815T006224_20180815T0063531_C001  SC_OFFL_SIR_IOPM_2_20180815T006224_20180815T0063719_C001  SC_OFFL_SIR_IOPM_2_20180815T006325_T00180815T0063719_C001  SC_OFFL_SIR_IOPM_2_20180815T0063715_20180815T0063719_C001  SC_OFFL_SIR_IOPM_2_20180815T0063715_20180815T0063719_C001  SC_OFFL_SIR_IOPM_2_20180815T0063715_20180815T10063719_C001  SC_OFFL_SIR_IOPM_2_20180815T10063719_C001  SC_OFFL_SIR_IOPM_2_20180815T10063719_C001  SC_OFFL_SIR_IOPM_2_20180815T1006372_0180815T1006372_C001  SC_OFFL_SIR_IOPM_2_20180815T100637_20180815T100637_C001  SC_OFFL_SIR_IOPM_2_20180815T100637_20180815T100637_C001  SC_OFFL_SIR_IOPM_2_20180815T106607_20180815T106310_C001  SC_OFFL_SIR_IOPM_2_20180815T106607_20180815T106310_C001  SC_OFFL_SIR_IOPM_2_20180815T113232_20180815T116814_C001  SC_OFFL_SIR_IOPM_2_20180815T113232_20180815T116814_C001  SC_OFFL_SIR_IOPM_2_20180815T113232_20180815T116814_C001  SC_OFFL_SIR_IOPM_2_20180815T113232_20180815T116842_C001  SC_OFFL_SIR_IOPM_2_20180815T113262_20180815T116842_C001  SC_OFFL_SIR_IOPM_2_20180815T13263_C001  SC_OFFL_SIR_IOPM_2_20180815T13263_C00180815T134865_C001  SC_OFFL_	CS OFFI SID IODM 2 20180815T075212 20180815T075653 C001		
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Backscatter Averaging Status  SWH Averaging Status  The SWH and Ocean Averaging Status Flag has been set for one or more records.  The SWH and Ocean Averaging Status Flag has been set for one or more records.  The SWH and Ocean Averaging Status Flag has been set for one or more records.  The SWH and Ocean Averaging Status Flag has been set for one or more records.  SWH Averaging Status. Ocean Backscatter Averaging Status Flag has been set for one or more records.  SWH Averaging Status. Ocean Backscatter Averaging Status Flag has been set for one or more records.  SWH Averaging Status. Ocean Backscatter Averaging Status Flag has been set for one or more records.  SWH Averaging Status. Ocean Backscatter Averaging Status Flag has been set for one or more records.  SWH Averaging Status. Ocean Backscatter Averaging Status Flag has been set for one or more records.  SWH Averaging Status. Ocean Backscatter Averaging Status Flag has been set for one or more records.  SWH Averaging Status. Ocean Backscatter Averaging Status Flag has been set for one or more records.  SWH Averaging Status. Ocean Backscatter Averaging Status Flag has been set for one or more records.  SWH Averaging Status. Ocean Backscatter Averaging Status Flag has been set for one or more records.  SWH Averaging Status. Ocean Backscatter Averaging Status Flag has been set for one or more records.  SWH Averaging Status. Ocean Backscatter Averaging Status Flag has been set for one or more records.  SWH Averaging Status. Ocean Backscatter Averaging Status Flag has been set for one or more records.  SWH Averaging Status Flag has been set for one or more records.  SWH Averaging Status Flag has been set for one or more records.  SWH Averaging Status Flag has been set for one or more records.  SWH Averaging Status Flag has been set for one or more records.  SWH Averaging Status Flag has been set for one or more records.  SWH Averaging Status Flag has been set for one or more records.  SWH Averaging Status Flag has been set for one or more records.  SWH Averagi	CS_OFFL_SIR_IOPM_2_20180815T080523_20180815T083814_C001		more records.
SS_OFFL_SIR_IOPM_2_20180815T109224_02180815T109350_C001  SWH Averaging Status. Ocean Backscatter Averaging Status Flags have been set for one or more records.  The IOPM_az_20180815T093157_20180815T109352_C001  SWH Averaging Status, Ocean Backscatter Averaging Status Flag has been set for one or more records.  The IOPM_az_20180815T1094424_20180815T109352_C001  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH averaging Status Flags 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 s	CS_OFFL_SIR_IOPM_2_20180815T084946_20180815T085331_C001		The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180815T1093157_20180815T109325_C001  SWH Averaging Status Cocan Backscatter Averaging Status Flag has been set for one or more records.  S_OFFL_SIR_IOPM_2_20180815T109424_20180815T109325_C001  SWH Averaging Status Cocan Backscatter Averaging Status Flag has been set for one or more records.  S_OFFL_SIR_IOPM_2_20180815T109429_20180815T109325_C001  SWH Averaging Status Cocan Backscatter Averaging Status Cocan Backscatter Averaging Status Flags have been set for one or more records.  S_OFFL_SIR_IOPM_2_20180815T1094029_20180815T109419_C001  SS_OFFL_SIR_IOPM_2_20180815T11131_20180815T111616_C001  SS_OFFL_SIR_IOPM_2_20180815T1113232_20180815T112834_C001  SS_OFFL_SIR_IOPM_2_20180815T112832_20180815T112834_C001  SS_OFFL_SIR_IOPM_2_20180815T112843_20180815T112834_C001  SS_OFFL_SIR_IOPM_2_20180815T112832_20180815T112834_C001  SS_OFFL_SIR_IOPM_2_20180815T112832_20180815T112834_C001  SS_OFFL_SIR_IOPM_2_20180815T112832_20180815T112834_C001  SS_OFFL_SIR_IOPM_2_20180815T112833_20180815T112834_C001  SS_OFFL_SIR_IOPM_2_20180815T112833_20180815T112834_C001  SS_OFFL_SIR_IOPM_2_20180815T112833_20180815T112834_C001  SS_OFFL_SIR_IOPM_2_20180815T112833_20180815T112834_C001  SS_OFFL_SIR_IOPM_2_20180815T112833_20180815T112834_C001  SS_OFFL_SIR_IOPM_2_20180815T112834_C001  SS_OFFL_SIR_IOPM_2_20180815T112834_C001  SS_OFFL_SIR_IOPM_2_20180815T112834_C001  SS_OFFL_SIR_IOPM_2_20180815T112834_C001  SS_OFFL_SIR_IOPM_2_20180815T130306_20180815T13944_C001  SS_OFFL_SIR_IOPM_2_20180815T130306_20180815T13944_C001  SS_OFFL_SIR_IOPM_2_20180815T130306_20180815T13944_C001  SS_OFFL_SIR_IOPM_2_20180815T130306_20180815T13944_C001  SS_OFFL_SIR_IOPM_2_20180815T130306_20180815T13944_C001  SS_OFFL_SIR_IOPM_2_20180815T130306_20180815T13944_C001  SS_OFFL_SIR_IOPM_2_20180815T130306_20180815T13944_C001  SS_OFFL_SIR_IOPM_2_20180815T130306_20180815T13944_C001  SS_OFFL_SIR_IOPM_2_20180815T130306_20180815T13944_C001  SS_OFFL_SIR_IOPM_2_20180815T130306_20180815T13945_C001  SS_OFFL_SIR_IOPM_2_20180815T130306_20180815T13945_C001  SS_OFFL_SIR_IOPM_2	CS OFFI SIR IOPM 2 20180815T092240 20180815T092505 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180815T109424_20180815T109325_C001  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or 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 Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Aver		0 0	
Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T109812_20180815T10383_CO01  SWH Averaging Status  SWH Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags 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 se	CS_OFFL_SIR_IOPM_2_201808151093157_201808151093719_C001		
Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T109292_20180815T109392_20180815T109392_20180815T109392_20180815T109392_20180815T109419_C001  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T106507_20180815T110614_C001  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T110507_20180815T1110614_C001  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T1111331_20180815T111618_C001  CS_OFFL_SIR_IOPM_2_20180815T1112332_20180815T111618_C001  CS_OFFL_SIR_IOPM_2_20180815T1112332_20180815T1112834_C001  SWH Averaging Status  SWH Averaging Status  SWH Averaging Status  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T112833_20180815T112835_C001  SWH Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags 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 b	CS_OFFL_SIR_IOPM_2_20180815T094424_20180815T100525_C001		more records.
CS_OFFL_SIR_IOPM_2_20180815T109222_20180815T109325_C001  SWH Averaging Status Coean Backscatter Averaging Status Status SWH Averaging Status Status SWH Averaging Status Status SWH Averaging Status Status SWH Averaging Status SWH SWH Averaging Status SWH	CS_OFFL_SIR_IOPM_2_20180815T100811_20180815T101938_C001		
SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T105409_20180815T110614_C001  CS_OFFL_SIR_IOPM_2_20180815T1105409_20180815T110614_C001  CS_OFFL_SIR_IOPM_2_20180815T11131_20180815T111618_C001  CS_OFFL_SIR_IOPM_2_20180815T1113_20180815T111684_C001  CS_OFFL_SIR_IOPM_2_20180815T112332_20180815T111684_C001  CS_OFFL_SIR_IOPM_2_20180815T112843_20180815T112834_C001  CS_OFFL_SIR_IOPM_2_20180815T112832_20180815T112834_C001  CS_OFFL_SIR_IOPM_2_20180815T112832_20180815T112835_C001  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T112832_20180815T1128523_C001  CS_OFFL_SIR_IOPM_2_20180815T125533_20180815T133144_C001  CS_OFFL_SIR_IOPM_2_20180815T130306_20180815T131944_C001  CS_OFFL_SIR_IOPM_2_20180815T130306_20180815T133144_C001  CS_OFFL_SIR_IOPM_2_20180815T130306_20180815T13040_20018	CS OFFL SIR IOPM 2 20180815T102922 20180815T103325 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180815T1131_20180815T116814_C001  CS_OFFL_SIR_IOPM_2_20180815T11131_20180815T111834_C001  CS_OFFL_SIR_IOPM_2_20180815T112332_20180815T112834_C001  CS_OFFL_SIR_IOPM_2_20180815T112834_20180815T112834_C001  CS_OFFL_SIR_IOPM_2_20180815T112834_20180815T112834_C001  CS_OFFL_SIR_IOPM_2_20180815T112843_20180815T1124356_C001  CS_OFFL_SIR_IOPM_2_20180815T121526_20180815T124356_C001  CS_OFFL_SIR_IOPM_2_20180815T125523_C001  CS_OFFL_SIR_IOPM_2_20180815T125531_20180815T125523_C001  CS_OFFL_SIR_IOPM_2_20180815T130306_20180815T139144_C001  CS_OFFL_SIR_IOPM_2_20180815T130306_20180815T1313144_C001  CS_OFFL_SIR_IOPM_2_20180815T135256_20180815T140827_C001  CS_OFFL_SIR_IOPM_2_20180815T140827_C001  CS_OFFL_SIR_IOPM_2_20180815T144257_C001  CS_OFFL_SIR_IOPM_2_20180815T14320_20180815T144343_C001  CS_OFFL_SIR_IOPM_2_20180815T14320_20180815T1445613_C001  CS_OFFL_SIR_IOPM_2_20180815T14320_20180815T1445613_C001  CS_OFFL_SIR_IOPM_2_20180815T14320_20180815T145613_C001  CS_OFFL_SIR_IOPM_2_20180815T1456152_20180815T145613_C001  CS_OFFL_SIR_IOPM_2_20180815T1456152_20180815T145613_C001  CS_OFFL_SIR_IOPM_2_20180815T145252_20180815T145613_C001  CS_OFFL_SIR_IOPM_2_20180815T1456152_20180815T1454610_C001  CS_OFFL_SIR_IOPM_2_20180815T1456152_20180815T145613_C001  CS_OFFL_SIR_IOPM_2_20180815T1456152_20180815T145613_C001  CS_OFFL_SIR_IOPM_2_20180815T1456152_20180815T145613_C001  CS_OFFL_SIR_IOPM_2_20180815T1456152_20180815T145613_C001  CS_OFFL_SIR_IOPM_2_20180815T145613_C001  CS_OFFL_SIR_IOPM_2_20180815T1456152_20180815T145613_C001  CS_OFFL_SIR_IOPM_2_20180815T154457_C001  CS_OFFL_SIR_IOPM_2_20180815T154457_C001  CS_OFFL_SIR_IOPM_2_20180815T1545752_20180815T145610_C001  CS_OFFL_SIR_IOPM_2_20180815T154562_C001  CS_OFFL_SIR_IOPM_2_20180815T1545610_C001  CS_OFFL_SIR_IOPM_2_20180815T1545610_C001  CS_OFFL_SIR_IOPM_2_20180815T1545610_C001  CS_OFFL_SIR_IOPM_2_20180815T1545610_C001  CS_OFFL_SIR_IOPM_2_20180815T15456_C0180815T145610_C001  CS_OFFL_SIR_IOPM_2_20180815T1545610_C001  CS_OFFL_SIR_IOPM_2_20180815T1545610_C001  CS_OFFL_SIR_IOPM_2_			
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CS_OFFL_SIR_IOPM_2_20180815T135256_20180815T140827_C001  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T141041_20180815T142457_C001  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T141041_20180815T142457_C001  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T143220_20180815T143436_C001  Ice Backscatter Averaging Status  Info erecords.  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 SWH and Ocean Averaging Status Flags 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.	CS OFFL SIR IOPM 2 20180815T132425 20180815T133144 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T141041_20180815T142457_C001  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T143220_20180815T143436_C001  CS_OFFL_SIR_IOPM_2_20180815T143220_20180815T143436_C001  CS_OFFL_SIR_IOPM_2_20180815T143220_20180815T145613_C001  SWH Averaging Status  SWH Averaging Status  The Ice 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 Flags 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 Avera		9 0	
Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T143220_20180815T143436_C001  Ice Backscatter Averaging Status  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T144210_20180815T145613_C001  SWH Averaging Status  SWH Averaging Status  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T145752_20180815T151340_C001  SWH Averaging Status  SWH Averaging Status  SWH Averaging Status  SWH Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags 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.	C5_OFFL_5IK_IOPM_Z_Z01808151135256_Z01808151140827_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20180815T144210_20180815T145613_C001  CS_OFFL_SIR_IOPM_2_20180815T144210_20180815T145613_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  SWH Averaging Status  SWH Averaging Status  SWH Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags 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_20180815T141041_20180815T142457_C001		more records.
CS_OFFL_SIR_IOPM_2_20180815T144210_20180815T145613_C001  SWH Averaging Status, Ocean Backscatter Averaging Status Coean B	CS_OFFL_SIR_IOPM_2_20180815T143220_20180815T143436_C001	Ice Backscatter Averaging Status	
CS_OFFL_SIR_IOPM_2_20180815T145752_20180815T151340_C001  SWH Averaging Status, Ocean Backscatter Averaging Status SWH and Ocean Averaging Status Flags have been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180815T153445_20180815T154154_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  SWH Averaging Status Flags 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.	CS_OFFL_SIR_IOPM_2 20180815T144210 20180815T145613 C001		The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T153445_20180815T154154_C001  Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status  SWH Averaging Status, Ocean Backscatter Averaging Status  SWH Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.		<u> </u>	
Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_20180815T154317_20180815T154527_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status  SWH Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The Buckscatter Averaging Status Flags have been set for one or more records.  The Buckscatter 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.	03_0FFL_3IK_IOPM_Z_Z0180815114575Z_Z01808151151340_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_201808151154317_201808151154527_C001  Backscatter Averaging Status  more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180815T155151_20180815T160601_C001  SWH Averaging Status  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.	CS_OFFL_SIR_IOPM_2_20180815T153445_20180815T154154_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20180815T155151_20180815T160601_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The lce Backscatter Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20180815T154317_20180815T154527_C001		
Backscatter Averaging Status Imore records.  CS_OFFI_SIR_IOPM_2_20180815T161000_20180815T161840_C001 Ice Backscatter Averaging Status Flag has been set for one or more	CS_OFFL_SIR_IOPM_2_20180815T155151 20180815T160601 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	00_0    L_0  \(\frac{1}{2} \)	ne backscaller Averaging Status	records.

CS_OFFL_SIR_IOPM_2_20180815T162208_20180815T164340_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_20180815T172125_20180815T174534_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_20180815T174917_20180815T175109_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T175204_20180815T175646_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T180143_20180815T182601_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_20180815T183343_20180815T183645_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_20180815T183751_20180815T183856_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_20180815T185827_20180815T190822_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_20180815T191401_20180815T192350_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_20180815T193123_20180815T193717_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T194032_20180815T200745_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_20180815T201437_20180815T201559_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_20180815T201605_20180815T201746_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_20180815T201751_20180815T201817_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_20180815T202956_20180815T210304_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_20180815T211030_20180815T211548_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T211950_20180815T212026_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_20180815T215324_20180815T215734_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_20180815T220745_20180815T220853_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_20180815T220905_20180815T221830_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_20180815T222116_20180815T224230_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_20180815T224917_20180815T225031_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T225038_20180815T225444_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180815T230000_20180815T230949_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_20180815T231137_20180815T231746_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_20180815T231930_20180815T232410_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_20180815T043147_20180815T043359_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180815T125524_20180815T125845_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180815T125938_20180815T130150_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_20180815T135038_20180815T135256_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_20180815T080147_20180815T080523_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_20180815T110614_20180815T111012_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_20180815T120740_20180815T121021_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_20180815T131944_20180815T132425_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

Number of products with errors:

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

# 6.4 P2P Auxiliary Correction Error Check

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

#### 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_220180815T170257_20180815T175237_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220180815T193150_20180815T202124_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_2_20180814T234107_20180815T003041_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_220180815T003041_20180815T012021_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_220180815T012021_20180815T020955_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T020955_20180815T025934_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_220180815T025934_20180815T034908_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_220180815T034908_20180815T043848_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_220180815T043848_20180815T052822_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_220180815T052822_20180815T061802_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_220180815T061802_20180815T070736_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_220180815T070736_20180815T075715_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_220180815T075715_20180815T084649_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T084649_20180815T093629_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_220180815T093629_20180815T102603_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_220180815T102603_20180815T111542_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T111542_20180815T120516_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_220180815T120516_20180815T125456_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T125456_20180815T134430_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T134430_20180815T143409_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_220180815T143409_20180815T152344_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_220180815T152344_20180815T161323_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_220180815T161323_20180815T170257_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_220180815T170257_20180815T175237_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T175237_20180815T184211_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_220180815T184211_20180815T193150_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180815T193150_20180815T202124_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_2_20180815T202124_20180815T211104_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180815T211104_20180815T220038_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_2_20180815T220038_20180815T225017_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_2_20180815T225017_20180815T233952_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.

## 6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180814T234107_20180815T003041_C002	Backscatter Averaging Status, Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

CB_OFFL_SRI_OP_2_20160151702015_20160151702015_CO.  CB_OFFL_SRI_OP_2_20160151702015_CO.  CB_OFFL_SRI_OP_2_20160151702015_C	CS_OFFL_SIR_IOP_2_20180815T003041_20180815T012021_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_OPPL_SIT_OPP2016015T00768_2016815T003604_C001  CS_OPPL_SIT_OPP2016015T003604_D018015T003604_C001  CS_OPPL_SIT_OPP2016015T003604_D018015T003604_C001  CS_OPPL_SIT_OPP2016015T003604_D018015T003604_C001  CS_OPPL_SIT_OPP2016015T003604_D018015T003604_C001  CS_OPPL_SIT_OPP2016015T003604_D018015T003604_C001  CS_OPPL_SIT_OPP2016015T003604_D018015T003604_C001  CS_OPPL_SIT_OPP2016015T003604_D018015T003604_C001  CS_OPPL_SIT_OPP2016015T003604_D018015T003604_C001  CS_OPPL_SIT_OPP2016015T00360_D018015T003604_C001  CS_OPPL_SIT_OPP2016015T00360_D018015T103604_C001  CS_OPPL_SIT_OPP2016015T00360_D018015T103604_C001  CS_OPPL_SIT_OPP2016015T10360_D018015T103604_C001  CS_OPPL_SIT_OPP2016015T10360_D018015T103604_C001  CS_OPPL_SIT_OPP2016015T10360_D018015T103604_C001  CS_OPPL_SIT_OPP2016015T10360_D018015T103604_C001  CS_OPPL_SIT_OPP2016015T10360_D018015T103604_C001  CS_OPPL_SIT_OPP2016015T10360_D018015T103604_C001  CS_OPPL_SIT_OPP2016015T10360_D018015T103604_C001  CS_OPPL_SIT_OPP2016015T10360_D018015T103604_C001  CS_OPPL_SIT_OPP2016015T10360_D018015T103604_C001  CS_OPPL_SIT_OPP2016015T10360_D018015T10360_C001  CS_OPPL_SIT_OPP2016015T10360_D018015T10360_C001  CS_OPPL_SIT_OPP2016015T10360_D018015T10360_C001  CS_OPPL_SIT_OPP2016015T10360_D018015T10360_C001  CS_OPPL_SIT_OPP2016015T10360_D018015T10360_C001  CS_OPPL_SIT_OPP2016015T10360_D018015T10360_C001  CS_OPPL_SIT_OPP2016015T10360_D018015T10360_C001  CS_OPPL_SIT_OPP2016015T10360_D018015T10360_C001  CS_OPPL_SIT_OPP2	CS_OFFL_SIR_IOP_220180815T012021_20180815T020955_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice	
CS_OFFL_SR_IOP_2_20160815T03460_20160815T03460_2016  CS_OFFL_SR_IOP_2_20160815T03460_20160815T03460_2016  CS_OFFL_SR_IOP_2_20160815T03460_20160815T03420_2016  CS_OFFL_SR_IOP_2_20160815T03460_20160815T03420_2016  CS_OFFL_SR_IOP_2_20160815T03460_20160815T03773_20160815T03773_20160815T03773_20160815T03773_20160815T03773_20160815T03603_20160815T03773_20160815T03773_20160815T03603_20160815T03773_20160815T03603_20160815T03603_20160815T03603_20160815T03773_20160815T03603_20	CS_OFFL_SIR_IOP_220180815T020955_20180815T025934_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice	
Backscrafter Averaging Status, for solicition (1704-1848-4) on the control of the	CS_OFFL_SIR_IOP_220180815T025934_20180815T034908_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	
GS_OFFL_SR_IOP_2_20180815T082822_20180815T093822_20180815T082822_20180815T082822_20180815T082822_20180815T082822_20180815T08282_20180815T08282_20180815T082822_20180815T082822_20180815T082822_20180815T08282_2018	CS_OFFL_SIR_IOP_2_20180815T034908_20180815T043848_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	
CS_OFFL_SIR_IOP_2_20180815T091802_20180815T070738_COUNTY STATE OF THE	CS_OFFL_SIR_IOP_2_20180815T043848_20180815T052822_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	
Sex OFFL_SIR_JOP_2_2018081511070736_201808151076715_C001  Sex OFFL_SIR_JOP_2_201808151076736_201808151076715_C001  SWH Averaging Status. Cocan make the Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cocan make the Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cocan make the Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cocan make the Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cocan backscater Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cocan backscater Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cocan backscater Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cocan backscater Averaging Status Flags have been set for one or more records.  The SWH averaging Status Cocan backscater Averaging Status Flags have been set for one or more records.  The SWH averaging Status Flags have been set for one or more records.  The SWH averaging Status Flags have been set for one or more records.  The SWH averaging Status Flags have been set for one or more records.  The SWH averaging Status Flags have been set for one or more records.  The SWH averaging Status Flags have been set for one or more records.  The SWH averaging Status Flags have been set for one or more records.  The SWH averaging Status Flags have been set for one or more records.  The SWH averaging Status Flags have been set for one	CS_OFFL_SIR_IOP_2_20180815T052822_20180815T061802_C001	Backscatter Averaging Status, Ice	
Backcaster Averaging Situs. Ice Backcaster Averaging Situs. Ice More Toording Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SWH Averaging Situs Flags have been set for one or more records.  SW	CS_OFFL_SIR_IOP_220180815T061802_20180815T070736_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	
Backscatter Averaging Status   Sibth Averaging	CS_OFFL_SIR_IOP_2_20180815T070736_20180815T075715_C001	Backscatter Averaging Status, Ice	
Backscatter Averaging Status. Loe Backscatter Averaging Status. Loe Backscatter Averaging Status. Loe Backscatter Averaging Status. Cean Backscatter Averagi	CS_OFFL_SIR_IOP_220180815T075715_20180815T084649_C001	Backscatter Averaging Status	
SC_OFFL_SIR_IOP_2_20180815T102802_20180815T102802_C010  SBackscatter Averaging Status, Ees Backscatter Averaging Status Cacan Backscatter Averaging Status C	CS_OFFL_SIR_IOP_220180815T084649_20180815T093629_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	
Backscatter Averaging Status. Cocan Backscatter Averaging Status.	CS_OFFL_SIR_IOP_220180815T093629_20180815T102603_C001	Backscatter Averaging Status, Ice	
SOFFL_SIR_IOP_2_20180815T11542_20180815T125456_C001  Backscatter Averaging Status or owner records.  SWH Averaging Status Status Sackscatter Averaging Status Status Status Sackscatter Averaging Status Status Sackscatter Averaging Status Status Status Status Sackscatter Averaging Status Status Status Status Sackscatter Averaging Status St	CS_OFFL_SIR_IOP_220180815T102603_20180815T111542_C001		
Backscatter Averaging Status  CS_OFFL_SIR_IOP_2_20180815T124430_20180815T144430_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status or more records.  SWH Averaging Status or more records.  CS_OFFL_SIR_IOP_2_20180815T134430_20180815T143409_C001  Backscatter Averaging Status, Ocean Backscatter Averaging Status or more records.  SWH Averaging Status or Backscatter Averaging Status or more records.  CS_OFFL_SIR_IOP_2_20180815T152344_20180815T161323_C001  Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status or Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status or Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status or Backscatter Averaging Status SWH Averaging Status or Backscatter Averaging Status CS_OFFL_SIR_IOP_2_20180815T17025T_20180815T17025T_C001  Backscatter Averaging Status SWH Averaging Status Backscatter Averaging Status CS_OFFL_SIR_IOP_2_20180815T17025T_20180815T184211_C001  Backscatter Averaging Status Backscatter Averaging Status Backscatter Averaging Status CS_OFFL_SIR_IOP_2_20180815T184211_20180815T193150_C001  SWH Averaging Status Backscatter Averaging	CS_OFFL_SIR_IOP_220180815T111542_20180815T120516_C001	Backscatter Averaging Status, Ice	
Backscatter Averaging Status, loe Backsc	CS_OFFL_SIR_IOP_220180815T120516_20180815T125456_C001		
SOFFL_SIR_IOP_2_20180815T134430_20180815T143409_2018  Backscatter Averaging Status Cean Backscatter Averaging Status Cean Backscatter Averaging Status I be Backscatter Averagin	CS_OFFL_SIR_IOP_220180815T125456_20180815T134430_C001	Backscatter Averaging Status	
S_OFFL_SIR_IOP_2_20180815T143409_20180815T152344_C001  Backscatter Averaging Status, Ocean Backscatter Averaging Status (Dean Backscatter Averaging Status)  CS_OFFL_SIR_IOP_2_20180815T161323_20180815T170257_C001  SWH Averaging Status, Ocean Backscatter Averaging Status (Dean Backscatter Averaging Status)  SWH Averaging Status (Dean Backscatter Averaging Status)  SWH Averaging Status (Dean Backscatter Averaging Status)  SWH Averaging Status (Dean Backscatter Averaging Status)  CS_OFFL_SIR_IOP_2_20180815T170257_20180815T175237_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  CS_OFFL_SIR_IOP_2_20180815T175237_20180815T184211_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  CS_OFFL_SIR_IOP_2_20180815T184211_20180815T193150_C001  CS_OFFL_SIR_IOP_2_20180815T193150_20180815T202124_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  CS_OFFL_SIR_IOP_2_20180815T202124_20180815T202124_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  SWH Averaging Status  SWH Averaging Status  The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.  The S	CS_OFFL_SIR_IOP_220180815T134430_20180815T143409_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	
S_OFFL_SIR_IOP_2_20180815T152344_20180815T161323_C001  Backscatter Averaging Status, Ice Backscatter Averaging Status Ice B	CS_OFFL_SIR_IOP_220180815T143409_20180815T152344_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	
S_OFFL_SIR_IOP_2_20180815T161323_20180815T170257_C001  Backscatter Averaging Status, Ice Backscatter Averaging Status  CS_OFFL_SIR_IOP_2_20180815T170257_20180815T175237_C001  SWH Averaging Status  CS_OFFL_SIR_IOP_2_20180815T175237_20180815T184211_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status, Ice Backscatter Averaging Status  CS_OFFL_SIR_IOP_2_20180815T184211_20180815T193150_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  SWH Averaging Status, Ocean Backscatter Averaging Status  SWH Averaging Status, Ocean Backscatter Averaging Status  SWH Ave	CS_OFFL_SIR_IOP_2_20180815T152344_20180815T161323_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	
Backscatter Averaging Status  CS_OFFL_SIR_IOP_2_20180815T175237_20180815T184211_C001  Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status  CS_OFFL_SIR_IOP_2_20180815T184211_20180815T193150_C001  CS_OFFL_SIR_IOP_2_20180815T193150_20180815T202124_C001  CS_OFFL_SIR_IOP_2_20180815T202124_20180815T202124_C001  CS_OFFL_SIR_IOP_2_20180815T202124_20180815T202124_C001  CS_OFFL_SIR_IOP_2_20180815T202124_20180815T202124_C001  CS_OFFL_SIR_IOP_2_20180815T202124_20180815T202124_C001  CS_OFFL_SIR_IOP_2_20180815T202124_20180815T202124_C001  CS_OFFL_SIR_IOP_2_20180815T202124_20180815T202124_C001  CS_OFFL_SIR_IOP_2_20180815T202124_20180815T202124_C001  CS_OFFL_SIR_IOP_2_20180815T202124_20180815T220038_C001  CS_OFFL_SIR_IOP_2_20180815T202124_20180815T220038_C001  CS_OFFL_SIR_IOP_2_20180815T2211104_20180815T220038_C001  CS_OFFL_SIR_IOP_2_20180815T220038_20180815T225017_C001  CS_OFFL_SIR_IOP_2_20180815T220038_20180815T225017_C001  CS_OFFL_SIR_IOP_2_20180815T220038_20180815T225017_C001  CS_OFFL_SIR_IOP_2_20180815T220038_20180815T225017_C001  CS_OFFL_SIR_IOP_2_20180815T220038_20180815T225017_C001  CS_OFFL_SIR_IOP_2_20180815T220038_20180815T225017_C001  CS_OFFL_SIR_IOP_2_20180815T220038_20180815T225017_C001  CS_OFFL_SIR_IOP_2_20180815T220038_20180815T225017_C001  CS_OFFL_SIR_IOP_2_20180815T220038_20180815T225017_C001  CS_OFFL_SIR_IOP_2_20180815T225017_20180815T225017_C001  CS_OFFL_SIR_IOP_2_20180815T225017_20180815T233952_C001  CS_OFFL_SIR	CS_OFFL_SIR_IOP_220180815T161323_20180815T170257_C001	Backscatter Averaging Status, Ice	
CS_OFFL_SIR_IOP_2_20180815T175237_20180815T184211_C001  Backscatter Averaging Status, Ice Backscatter Averaging Status  CS_OFFL_SIR_IOP_2_20180815T184211_20180815T193150_C001  CS_OFFL_SIR_IOP_2_20180815T193150_20180815T202124_C001  CS_OFFL_SIR_IOP_2_20180815T202124_20180815T202124_C001  CS_OFFL_SIR_IOP_2_20180815T202124_20180815T200124  CS_OFFL_SIR_IOP_2_20180815T202124_20180815T200124  CS_OFFL_SIR_IOP_2_20180815T200124_20180815T20001  CS_OFFL_SIR_IOP_2_20180815T200124_20180815T20001  CS_OFFL_SIR_IOP_2_20180815T2000124_20180815T20001  CS_OFFL_SIR_IOP_2_20180815T200018_20180815T200018  CS_OFFL_SIR_IOP_2_20180815	CS_OFFL_SIR_IOP_220180815T170257_20180815T175237_C001		
Backscatter Averaging Status  CS_OFFL_SIR_IOP_2_20180815T193150_20180815T202124_C001  Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status  SWH Averaging Status, Ice Backscatter Averaging Status  SWH Averaging Status  The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.  SWH Averaging Status  CS_OFFL_SIR_IOP_2_20180815T202124_20180815T211104_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status Backscatter Averaging Status Backscatter Averaging Status Bac	CS_OFFL_SIR_IOP_220180815T175237_20180815T184211_C001	Backscatter Averaging Status, Ice	
CS_OFFL_SIR_IOP_2_20180815T193150_20180815T202124_C001  Backscatter Averaging Status, Ice Backscatter Averaging Status  CS_OFFL_SIR_IOP_2_20180815T202124_20180815T211104_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ice Ba	CS_OFFL_SIR_IOP_220180815T184211_20180815T193150_C001		
Backscatter Averaging Status more records.  SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ice Backscatter Averaging Status Flags have been set for one or more records.  The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.  The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_IOP_220180815T193150_20180815T202124_C001	Backscatter Averaging Status, Ice	
CS_OFFL_SIR_IOP_2_20180815T211104_20180815T220038_C001  Backscatter Averaging Status, Ice Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ice Backscatter Averaging Status Flags have been set for one or more records.  The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_IOP_2_20180815T202124_20180815T211104_C001		
CS_OFFL_SIR_IOP_2_20180815T220038_20180815T225017_C001  Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ice Backscatter A	CS_OFFL_SIR_IOP_220180815T211104_20180815T220038_C001	Backscatter Averaging Status, Ice	
CS_OFFL_SIR_IOP_2_20180815T225017_20180815T233952_C001  Backscatter Averaging Status, Ice	CS_OFFL_SIR_IOP_220180815T220038_20180815T225017_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice	
	CS_OFFL_SIR_IOP_220180815T225017_20180815T233952_C001	Backscatter Averaging Status, Ice	

# 6.8 P2P Ocean Retracking Quality Check

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180814T234107_20180815T003041_C002	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T003041_20180815T012021_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T012021_20180815T020955_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T020955_20180815T025934_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T025934_20180815T034908_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T034908_20180815T043848_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.

CS_OFFL_SIR_IOP_220180815T043848_20180815T052822_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T052822_20180815T061802_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T061802_20180815T070736_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T070736_20180815T075715_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T075715_20180815T084649_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T084649_20180815T093629_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T093629_20180815T102603_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T102603_20180815T111542_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T111542_20180815T120516_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T120516_20180815T125456_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T125456_20180815T134430_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T134430_20180815T143409_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T143409_20180815T152344_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T152344_20180815T161323_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T161323_20180815T170257_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T170257_20180815T175237_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T175237_20180815T184211_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T184211_20180815T193150_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T193150_20180815T202124_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T202124_20180815T2111104_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T211104_20180815T220038_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T220038_20180815T225017_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180815T225017_20180815T233952_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.