



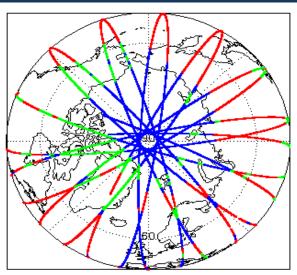
## 1. Overview

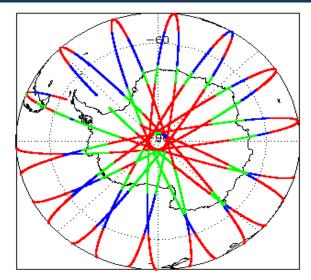
Report Production:	14-Nov-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

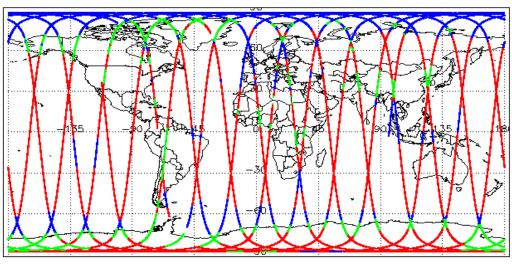
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	See Section 5.2	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7	See Section 6.6, 6.7
Ocean Retracking Quality Check	See Section 5.8	See Section 6.8

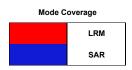
Mission / Instrument News		
10-Nov-2018	None	
11-Nov-2018	None	
12-Nov-2018	Nothing planned	

# 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:

Λ

### 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:

25

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20181111T075715_20181111T081242_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181111T111252_20181111T111438_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181111T115850_20181111T120114_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181111T133227_20181111T133243_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181111T133343_20181111T133415_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181111T164827_20181111T164921_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181111T165122_20181111T165206_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181111T214736_20181111T215055_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181111T232525_20181111T232939_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181111T010313_20181111T010549_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181111T024239_20181111T024430_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181111T033546_20181111T034324_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181111T042124_20181111T042447_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181111T051424_20181111T052254_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181111T061344_20181111T061731_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181111T073803_20181111T074441_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181111T091826_20181111T092246_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181111T143247_20181111T143449_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181111T155630_20181111T160106_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181111T165206_20181111T165953_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181111T181907_20181111T181944_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181111T182406_20181111T182839_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181111T183223_20181111T184137_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181111T201141_20181111T201859_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181111T210657_20181111T211123_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:

Product	Test Failed
CS_OFFL_SIR_IOPR_2_20181111T065328_20181111T065334_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

0

#### 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

#### 5.6 L2 Range Measurement Check

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

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

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

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

Number of products with errors:

76

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20181111T004211_20181111T010313_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181111T010822_20181111T011156_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181111T011203_20181111T011212_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181111T011218_20181111T011537_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181111T011912_20181111T014710_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181111T021754_20181111T024239_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181111T024604_20181111T025110_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181111T025117_20181111T025445_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_201811111T025920_20181111T030917_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T031454_20181111T033210_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T034542_20181111T034704_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T035441_20181111T040459_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T041752_20181111T042124_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181111T042603_20181111T043142_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T043244_20181111T043344_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T043917_20181111T051129_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T054411_20181111T055951_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T060527_20181111T061037_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T061731_20181111T065310_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T070304_20181111T070456_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T071510_20181111T071940_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T072027_20181111T073803_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T075715_20181111T081242_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T081251_20181111T083131_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T084529_20181111T090354_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T090452_20181111T091826_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T092649_20181111T092848_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T093006_20181111T093350_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T093603_20181111T095110_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T095312_20181111T100234_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T102041_20181111T102205_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T102420_20181111T104152_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T105757_20181111T105916_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T110503_20181111T111252_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T111553_20181111T113014_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T120502_20181111T120647_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T120811_20181111T123949_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T124552_20181111T125144_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T125527_20181111T131959_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20181111T135112_20181111T140232_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_201811111T140808_20181111T141826_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
		The Ice Range Averaging Status Flag has been set for one or more

Co. CPFL_SIR_LOPM_2_201611117169012_0001  Co. CPFL_SIR_LOPM_2_201611117169042_201611117169012_0001  Co. CPFL_SIR_LOPM_2_201611117169042_20161111716905_0001  Co. CPFL_SIR_LOPM_2_201611117169042_20161117176905_0001  Co. CPFL_SIR_LOPM_2_201611117169042_20161117176905_0001  Co. CPFL_SIR_LOPM_2_201611117169042_20161117176905_0001  Co. CPFL_SIR_LOPM_2_201611117169042_20161117176905_0001  Co. CPFL_SIR_LOPM_2_20161117176905_20161117176905_0001  Co. CPFL_SIR_LOPM_2_20161117176905_0001  Co. CPFL_SIR_LOPM_2_2016111776905_0001  Co. CPFL_SIR_LOPM_2_2016111776905			
Over Range Averaging Status  CS_OFFL_SIR_IOPM_2_201811111169048_20181111116905_C001  CS_OFFL_SIR_IOPM_2_20181111116405_20181111116058_C001  CS_OFFL_SIR_IOPM_2_20181111176405_20181111173605_C001  CS_OFFL_SIR_IOPM_2_20181111776405_2018111177605_C001  CS_OFFL_SIR_IOPM_2_20181111776405_20181111776405_C001  CS_OFFL_SIR_IOPM_2_20181111776405_20181111776405_C001  CS_OFFL_SIR_IOPM_2_20181111776405_20181111776405_C001  CS_OFFL_SIR_IOPM_2_20181111776405_20181111776405_C001  CS_OFFL_SIR_IOPM_2_20181111776405_20181111710607_C001  CS_OFFL_SIR_IOPM_2_2018111176405_20181111710607_C001  CS_OFFL_SIR_IOPM_2_2018111176405_20181117176405_C001  CS_OFFL_SIR_IOPM_2_2018111176405_2018111710608_C001  CS_OFFL_SIR_IOPM_2_20181117176405_2018111710608_C001  CS_OFFL_SIR_IOPM_2_20181117176405_2018111710608_C001  CS_OFFL_SIR_IOPM_2_20181117176405_2018111710608_C001  CS_OFFL_SIR_IOPM_2_20181117176405_2018111710608_C001  CS_OFFL_SIR_IOPM_2_20181117176608_20181117106085_C001  CS_OFFL_SIR_IOPM_2_20181117176608_20181117106085_C001  CS_OFFL_SIR_IOPM_2_201811171726083_C001  CS_OFFL_SIR_IOPM_2_201811171726083_201811171720608_C001  CS_OFFL_SIR_IOPM_2_201811171726083_C001  CS_OFFL_SIR_IOPM_2_201811171726083_201811171720608_C001  CS_OFFL_SIR_IOPM_2_201811171726083_C001  CS_OFFL_SIR_IOPM_2_201811171726083_201811171720608_C001  CS_OFFL_SIR_IOPM_2_201811171726083_201811171720608_C001  CS_OFFL_SIR_IOPM_2_201811171726083_C001  CS_OFFL_SIR_IOPM_2_201811171	CS_OFFL_SIR_IOPM_2_20181111T143449_20181111T150101_C001	Ocean Range Averaging Status	
SCOPPL_SP_CHM_2_20181111116468_20181111718608_001  CS_OPPL_SP_CHM_2_20181111716462_20181111718608_001  CS_OPPL_SP_CHM_2_201811117174602_20181111717865_001  CS_OPPL_SP_CHM_2_201811117174602_201811117174605_001  CS_OPPL_SP_CHM_2_20181117174602_20181117174605_001  CS_OPPL_SP_CHM_2_20181117174605_001  CS_OPPL_SP_CHM_2_20181117174605_001  CS_OPPL_SP_CHM_2_20181117174605_001  CS_OPPL_SP_CHM_2_20181117174605_001  CS_OPPL_SP_CHM_2_20181117174605_001  CS_OPPL_SP_CHM_2_201811171760605_001  CS_OPPL_SP_CHM_2_201811171720605_001  CS_	CS_OFFL_SIR_IOPM_2_20181111T152537_20181111T155630_C001	Ocean Range Averaging Status	
CS_OFFL_SR_IOPM_2_20181111170493_20181111716964_C001  CS_OFFL_SR_IOPM_2_20181111716934_C001  CS_OFFL_SR_IOPM_2_20181111716935_20181117176901_C001  CS_OFFL_SR_IOPM_2_2018111717490_20181117176901_C001  CS_OFFL_SR_IOPM_2_2018111717490_20181117176901_C001  CS_OFFL_SR_IOPM_2_2018111717490_2018111719690_C001  CS_OFFL_SR_IOPM_2_20181117176936_C001  CS_OFFL_SR_IOPM_2_2018111716945_C001  CS_OFFL_SR_IOPM_2_20181117176945_C001  CS_OFFL_SR_IOPM_2_20181117192946_C0018111702806_C001  CS_OFFL_SR_IOPM_2_20181117176945_C001  CS_OFFL_SR_IOPM_2_20181117170295_C0181117102806_C001  CS_OFFL_SR_IOPM_2_20181117170295_C018111702806_C001  CS_OFFL_SR_IOPM_2_20181117170295_C018111702806_C001  CS_OFFL_SR_IOPM_2_20181117170295_C018111702806_C001  CS_OFFL_SR_IOPM_2_20181117170295_C018111702806_C001  CS_OFFL_SR_IOPM_2_20181117170295_C01811170297_C001  CS_OFFL_SR_IOPM_2_20181117170297_C0181170297_C001  CS_OFFL_SR_IOPM_2_201811170297_C0181170297_C001  CS_OFFL_SR_IOPM_2_201811172097_C0181170297_C001  CS_OFFL_SR_IOPM_2_201811172097_C0181170297_C001  CS_OFFL_SR_IOPM_2_201811172097_C0181170297_C001  CS_OFFL_SR_IOPM_2_201811172097_C018117170290_C001  CS_OFFL_SR_IOPM_2_201811172097_C018117170290_C001  CS_OFFL_SR_IOPM_2_20181117170297_C018117170290_C001  CS_OFFL_SR_IOPM_2_20181117170297_C018117170290_C001  CS_OFFL_SR_IOPM_2_20181117170297_C018117170290_C001  CS_OFFL_SR_IOPM_2_20181117170297_C018117170290_C001  CS_OFFL_SR_IOPM_2_20181117170297_C018117170290_C001  CS_OFFL_SR_IOPM_2_20181117170297_C018117170290_C001  CS_OFFL_SR_IOPM_2_20181117170297_C018117170290_C001  CS_OFFL_SR_IOPM_2_20181117170297_C018117170290_C001  CS_OFFL_SR_IOPM_2_20181117170297_C018117170290_C001  CS_OFFL_SR_IOPM_2_20181117170297_C00181170290_C001  CS_OFFL_SR_IOPM_2_20181117170290_C001  CS_OFFL_SR_IOPM_2_20181117170290_C001  CS_OFFL_SR_IOPM_2_20181117170290_C001  CS_OFFL_SR_IOPM_2_2018111702900_C0018170290_C001  CS_OFFL_SR_IOPM_2_20181117170290_C001  CS_OFFL_SR_IOPM_2_20181117170290_C001817000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20181111T160445_20181111T161024_C001	Ice Range Averaging Status	
CS_OFF_SR_OPM_2_201811111779382_20181111178694_C001  CS_OFF_SR_OPM_2_201811111774382_201811117178691_C001  CS_OFF_SR_OPM_2_20181111774382_2018111718691_C001  CS_OFF_SR_OPM_2_201811117174382_2018111719592_C001  CS_OFF_SR_OPM_2_2018111718093_2018111719592_C001  CS_OFF_SR_OPM_2_2018111718093_2018111719592_C001  CS_OFF_SR_OPM_2_2018111718293_2018111719593_C001  CS_OFF_SR_OPM_2_2018111719593_2018111719594_C001  CS_OFF_SR_OPM_2_2018111719593_2018111719594_C001  CS_OFF_SR_OPM_2_2018111719593_2018111719594_C001  CS_OFF_SR_OPM_2_2018111719593_2018111719594_C001  CS_OFF_SR_OPM_2_2018111719593_2018111712083_2001  CS_OFF_SR_OPM_2_20181117120833_20181117120832_C001  CS_OFF_SR_OPM_2_20181117120833_20181117120833_C001  CS_OFF_SR_OPM_2_20181117120833_20181117120832_C001  CS_OFF_SR_OPM_2_2018111720833_2018111720833_C001  CS_OFF_SR_OPM_2_2018111720833_2018111720833_C001  CS_OFF_SR_OPM_2_2018111720833_2018111720833_C001  CS_OFF_SR_OPM_2_2018111720833_2018111720833_C001  CS_OFF_SR_OPM_2_2018111720833_2018111720833_C001  CS_OFF_SR_OPM_2_2018111720833_2018111720833_C001  CS_OFF_SR_OPM_2_2018111720833_2018111720833_C001  CS_OFF_SR_OPM_2_2018111720833_2018111720833_C001  CS_OFF_SR_OPM_2_2018111720833_2018111720830_C001  CS_OFF_SR_OPM_2_2018111720833_C018111720830_C001  CS_OFF_SR_OPM_2_20181117212897_C018111721800_C001  CS_OFF_SR_OPM_2_20181117212897_C018111721800_C001  CS_OFF_SR_OPM_2_2018111722397_C01811172480_C001  CS_OFF_SR_OPM_2_2018111722397_C01811172397_C001  CS_OFF_SR_OPM_2_2018111722397_C01811172393_C001  CS_OFF_SR_OPM_2_2018111722397_C01811172393_C001  CS_OFF_SR_OPM_2_2018111722397_C01811172393_C001  CS_OFF_SR_OPM_2_2018111722397_C01811172393_C001  CS_OFF_SR_OPM_2_201811172397_C01811172393_C001  CS_OFF_SR_OPM_2_201811172397_C018117172393_C001  CS_OFF_SR_OPM_2_201811172397_C018117172393_C001  CS_OFF_SR_OPM_2_201811172393_C001  CS_OFF_SR_OPM_2_201811172393_C001  CS_OFF_SR_OPM_2_201811172393_C001  CS_OFF_SR_OPM_2_201811172393_C001  CS_OFF_SR_OPM_2_20181117172393_C001  CS_OFF_SR_OPM_2_20181117172393_C001  CS_OFF_SR_OPM_2_20181117	CS_OFFL_SIR_IOPM_2_20181111T161405_20181111T161808_C001	Ocean Range Averaging Status	
CS_OFFL_SR_JOPM_2_20181111717490_20181111717490_CO1  Ocean Range Averaging Status Flag has been set for one or more records.  Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SR_JOPM_2_20181111717490_2018111719039_CO10  Ocean Range Averaging Status Flag has been set for one or more records.  The Ioce Range Averaging Status Flag has been set for one or more records.  The Ioce Range Averaging Status Flag has been set for one or more records.  The Ioce Range Averaging Status Flag has been set for one or more records.  The Ioce Range Averaging Status Flag has been set for one or more records.  The Ioce Range Averaging Status Flag has been set for one or more records.  The Ioce Range Averaging Status Flag has been set for one or more records.  The Ioce Range Averaging Status Flag has been set for one or more records.  The Ioce Range Averaging Status Flag has been set for one or more records.  The Ioce Range Averaging Status Flag has been set for one or more records.  The Ioce Range Averaging Status Flag has been set for one or more records.  SO FFL_SR_JOPM_2_20181117120083_2018111720092_C001  Ocean Range Averaging Status  The Ioce Range Averaging Status Flag has been set for one or more records.  SO FFL_SR_JOPM_2_2018111720083_2018111720093_C001  Ocean Range Averaging Status  The Ioce Range Averaging Status Flag has been set for one or more records.  SO FFL_SR_JOPM_2_2018111720083_2018111720083_C001  Ocean Range Averaging Status  The Ioce Range Averaging Status Flag has been set for one or more records.  The Ioce Range Averaging Status Flag has been set for one or more records.  The Ioce Range Averaging Status Flag has been set for one or more records.  The Ioce Range Averaging Status Flag has been set for one or more records.  The Ioce Range Averaging Status Flag has been set for one or more records.  The Ioce Range Averaging Status Flag has been set for one or more records.  The Ioce Range Averaging Status Flag has been set for one or more records.  The Ioce Range Averaging Status F	CS_OFFL_SIR_IOPM_2_20181111T164921_20181111T165058_C001	Ocean Range Averaging Status	
CS_OFFL_SR_JOPM_2_20181111712439_20181117191539_CO01  CS_OFFL_SR_JOPM_2_20181117191439_20181117191539_CO01  CS_OFFL_SR_JOPM_2_20181117191439_20181117191539_CO01  CS_OFFL_SR_JOPM_2_20181117192405_20181117192534_CO01  CS_OFFL_SR_JOPM_2_20181117192405_20181117192534_CO01  CS_OFFL_SR_JOPM_2_20181117193302_20181117192500_CO01  CS_OFFL_SR_JOPM_2_20181117193302_20181117192503_CO01  CS_OFFL_SR_JOPM_2_20181117193032_20181117192503_CO01  CS_OFFL_SR_JOPM_2_20181117193032_20181117192503_CO01  CS_OFFL_SR_JOPM_2_20181117193032_20181117120253_CO01  CS_OFFL_SR_JOPM_2_20181117193032_20181117120253_CO01  CS_OFFL_SR_JOPM_2_20181117120353_2018111720252_CO01  CS_OFFL_SR_JOPM_2_2018111720352_2018111720352_CO01  CS_OFFL_SR_JOPM_2_2018111720352_2018111722035_CO01  CS_OFFL_SR_JOPM_2_2018111721335_2018111722232_CO01  CS_OFFL_SR_JOPM_2_2018111722335_C001  CS_OFFL_SR_JOPM_2_2018111722335_C001  CS_OFFL_SR_JOPM_2_2018111722335_C001  CS_OFFL_SR_JOPM_2_201811172335_C018111722352_C001  CS_OFFL_SR_JOPM_2_201811172335_C018111722335_C001  CS_OFFL_SR_JOPM_2_201811172335_C018111722335_C001  CS_OFFL_SR_JOPM_2_201811172335_C018111722352_C001  CS_OFFL_SR_JOPM_2_201811172335_201811172235_C001  CS_OFFL_SR_JOPM_2_201811172335_C018111722350_C001  CS_OFFL_SR_JOPM_2_201811172335_C01811172235_C001  CS_OFFL_SR_JOPM_2_201811172335_C01811172235_C001  CS_OFFL_SR_JOPM_2_201811172335_C01811172235_C001  CS_OFFL_SR_JOPM_2_201811172335_C01811172235_C001  CS_OFFL_SR_JOPM_2_201811172335_C01811172235_C001  CS_OFFL_SR_JOPM_2_201811172335_C01811172235_C001  CS_OFFL_SR_JOPM_2_201811172335_C01811172335_C001  CS_OFFL_SR_JOPM_2_201811172335_C01811172335_C001  CS_OFFL_SR_JOPM_2_201811172335_C01811172235_C001  CS_OFFL_SR_JOPM_2_201811172335_C018111722335_C001  CS_OFFL_SR_JOPM_2_201811172335_C018111722335_C001  CS_OFFL_SR_JOPM_2_201811172335_C01811172335_C001  CS_OFFL_SR_JOPM_2_201811172335_C018111722335_C001  CS_OFFL_SR_JOPM_2_201811172335_C01811172235_C001  CS_OFFL_SR_JOPM_2_201811172335_C018111722335_C001  CS_OFFL_SR_JOPM_2_201811172335_C01811172335_C001  CS_OFFL_SR_JOPM_2_20	CS_OFFL_SIR_IOPM_2_20181111T170403_20181111T173654_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_201811117(2458_201811117192189_C001) CS_OFFL_SIR_IOPM_2_201811117192405_201811117192806_C001 CS_OFFL_SIR_IOPM_2_201811117192405_201811117192806_C001 CS_OFFL_SIR_IOPM_2_20181117192405_20181117192806_C001 CS_OFFL_SIR_IOPM_2_201811171929083_201811171200833_C001 CS_OFFL_SIR_IOPM_2_20181117192905_201811117192806_C001 CS_OFFL_SIR_IOPM_2_201811171729305_201811171200832_C001 CS_OFFL_SIR_IOPM_2_20181117120832_C001 CS_OFFL_SIR_IOPM_2_20181117120832_C001 CS_OFFL_SIR_IOPM_2_20181117120832_C001 CS_OFFL_SIR_IOPM_2_20181117120832_C001 CS_OFFL_SIR_IOPM_2_20181117120832_C001 CS_OFFL_SIR_IOPM_2_2018111720832_C001 CS_OFFL_SIR_IOPM_2_2018111720832_C001 CS_OFFL_SIR_IOPM_2_2018111720832_C001 CS_OFFL_SIR_IOPM_2_2018111720832_C001 CS_OFFL_SIR_IOPM_2_2018111720852_C001 CS_OFFL_SIR_IOPM_2_2018111721355_C001 CS_OFFL_SIR_IOPM_2_2018111721355_C001 CS_OFFL_SIR_IOPM_2_2018111721355_C001 CS_OFFL_SIR_IOPM_2_2018111721355_C001 CS_OFFL_SIR_IOPM_2_20181117220852_C001 CS_OFFL_SIR_IOPM_2_2018111721355_C001 CS_OFFL_SIR_IOPM_2_2018111721355_C001 CS_OFFL_SIR_IOPM_2_20181117212835_C001 CS_OFFL_SIR_IOPM_2_2018111721355_C001 CS_OFFL_SIR_IOPM_2_2018111721355_C001 CS_OFFL_SIR_IOPM_2_2018111721355_C001 CS_OFFL_SIR_IOPM_2_2018111721355_C001 CS_OFFL_SIR_IOPM_2_20181117220852_C001 CS_OFFL_SIR_IOPM_2_20181117220852_C001 CS_OFFL_SIR_IOPM_2_20181117222350_C001 CS_OFFL_SIR_IOPM_2_20181117222350_C001 CS_OFFL_SIR_IOPM_2_20181117223350_C001 CS_OFFL_SIR_IOPM_2_20181117223350_C001 CS_OFFL_SIR_IOPM_2_2018111723335_C00181117223350_C001 CS_OFFL_SIR_IOPM_2_2018111723335_C0018111723335_C001 CS_OFFL_SIR_IOPM_2_2018111723335_C0018111723335_C001 CS_OFFL_SIR_IOPM_2_201811171723335_C0018111723335_C001 CS_OFFL_SIR_IOPM_2_201811171723335_C0018111723335_C001 CS_OFFL_SIR_IOPM_2_201811171723335_C0018111723335_C001 CS_OFFL_SIR_IOPM_2_201811171723335_C0018111723335_C001 CS_OFFL_SIR_IOPM_2_201811171723335_C0018111723335_C001 CS_OFFL_SIR_IOPM_2_201811171723335_C0018111723335_C001 CS_OFFL_SIR_IOPM_2_201811171723335_C00181117123335_C001 CS_OFFL_SIR_IOPM_2_201811171723335	CS_OFFL_SIR_IOPM_2_20181111T174349_20181111T174901_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPM_2_201811111212124_20181111123284_C001  CS_OFFL_SIR_IOPM_2_201811111132124_201811111230850_C001  CS_OFFL_SIR_IOPM_2_20181111113302_201811111138866_C001  CS_OFFL_SIR_IOPM_2_201811111138302_201811111200833_C001  CS_OFFL_SIR_IOPM_2_20181111120833_201811111200833_C001  CS_OFFL_SIR_IOPM_2_20181111120833_201811111200833_C001  CS_OFFL_SIR_IOPM_2_20181111120833_201811111201027_C001  CS_OFFL_SIR_IOPM_2_20181111120833_201811111201027_C001  CS_OFFL_SIR_IOPM_2_2018111120833_201811111201027_C001  CS_OFFL_SIR_IOPM_2_2018111120833_2018111120333_2001  CS_OFFL_SIR_IOPM_2_2018111120835_2018111120333_2001  CS_OFFL_SIR_IOPM_2_2018111120835_2018111120332_2001  CS_OFFL_SIR_IOPM_2_2018111120835_2018111120247_C001  CS_OFFL_SIR_IOPM_2_2018111120835_2018111120247_C001  CS_OFFL_SIR_IOPM_2_2018111120835_2018111120247_C001  CS_OFFL_SIR_IOPM_2_2018111120835_2018111120237_C001  CS_OFFL_SIR_IOPM_2_2018111120835_20181111224035_001  CS_OFFL_SIR_IOPM_2_2018111120835_20181111224035_001  CS_OFFL_SIR_IOPM_2_2018111122335_20181111224035_001  CS_OFFL_SIR_IOPM_2_2018111122335_20181111224035_001  CS_OFFL_SIR_IOPM_2_2018111122335_20181111224035_001  CS_OFFL_SIR_IOPM_2_2018111122335_20181111224035_001  CS_OFFL_SIR_IOPM_2_2018111122335_20181111224035_001  CS_OFFL_SIR_IOPM_2_20181111223335_201811112241635_0001  CS_OFFL_SIR_IOPM_2_20181111223335_201811112241635_0001  CS_OFFL_SIR_IOPM_2_20181111223335_20181111223405  CS_OFFL_SIR_IOPM_2_20181111223335_20181111223405_0001  CS_OFFL_SIR_IOPM_2_20181111223335_20181111223416_0001  CS_OFFL_SIR_IOPM_2_201811111223335_20181111223416_0001  CS_OFFL_SIR_IOPM_2_201811111223335_20181111223416_0001  CS_OFFL_SIR_IOPM_2_201811111224245_201811111223335_0001  CS_OFFL_SIR_IOPM_2_20181111123335_20181111223335_0001  CS_OFFL_SIR_IOPM_2_20181111123335_20181111223335_0001  CS_OFFL_SIR_IOPM_2_20181111123335_20181111223335_0001  CS_OFFL_SIR_IOPM_2_20181111123335_20181111223335_0001  CS_OFFL_SIR_IOPM_2_20181111123335_20181111223335_0001  CS_OFFL_SIR_IOPM_2_201811111231335_20181111123335_0001  CS_OFFL_SIR_IOPM_2_20181111	CS_OFFL_SIR_IOPM_2_20181111T175436_20181111T181047_C001	Ocean Range Averaging Status	
tex large Averaging Status  CS_OFFL_SIR_IOPM_2_201811117192826_2001  CS_OFFL_SIR_IOPM_2_201811117192806_2001  CS_OFFL_SIR_IOPM_2_201811117192806_20181111720833_0001  CS_OFFL_SIR_IOPM_2_201811117192806_20181111720833_0001  CS_OFFL_SIR_IOPM_2_201811117108083_20181111720833_0001  CS_OFFL_SIR_IOPM_2_201811117108083_20181111720833_0001  CS_OFFL_SIR_IOPM_2_201811117108083_20181111720832_0001  CS_OFFL_SIR_IOPM_2_201811117108083_20181111720832_0001  CS_OFFL_SIR_IOPM_2_201811117108083_00181111720852_0001  CS_OFFL_SIR_IOPM_2_20181111711111117208727_20181111712087_0001  CS_OFFL_SIR_IOPM_2_2018111171111111111111111111111111111111	CS_OFFL_SIR_IOPM_2_20181111T184137_20181111T191539_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_201811117192405_201811117195844_C001  CS_OFFL_SIR_IOPM_2_201811117195845_201811117195844_C001  CS_OFFL_SIR_IOPM_2_201811117103302_20181111712027_C001  CS_OFFL_SIR_IOPM_2_20181111720333_20181111720323_C001  CS_OFFL_SIR_IOPM_2_20181111720333_20181111720323_C001  CS_OFFL_SIR_IOPM_2_20181111720352_20181111720323_C001  CS_OFFL_SIR_IOPM_2_20181111720352_2018111172047_C001  CS_OFFL_SIR_IOPM_2_20181111720352_2018111172047_C001  CS_OFFL_SIR_IOPM_2_20181111720352_2018111172047_C001  CS_OFFL_SIR_IOPM_2_2018111172035_2018111172140550_C001  CS_OFFL_SIR_IOPM_2_2018111172035_201811117214055_001  COEAR Range Averaging Status  The Coean Range Averaging Status Flag has been set for one or more records.  The Coean Range Averaging Status Flag has been set for one or more records.  The Coean Range Averaging Status Flag has been set for one or more records.  The Coean Range Averaging Status Flag has been set for one or more records.  The Coean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20181111721355_201811117214055_C001  COEAN Range Averaging Status  The Coean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20181111722172_C0181111722400_C001  COEAN Range Averaging Status  The Coean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20181111722172_C01811117224300_C001  COEAN Range Averaging Status  The Coean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_2018111172240_20181111722418_C001  COEAN Range Averaging Status  The Coean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_2018111172240_20181111722418_C001  COEAN Range Averaging Status  The Coean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_2018111172240_20181111722418_C001  COEAN Range Averaging Status  The Coean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20181111723230_20181111723330_C001	CS_OFFL_SIR_IOPM_2_20181111T192124_20181111T192348_C001	Ice Range Averaging Status	
CS_OFF_SIR_OPM_2_20181111720833_C010  CS_OFF_SIR_OPM_2_20181111720833_C010  CS_OFF_SIR_OPM_2_20181111720833_C010  CS_OFF_SIR_OPM_2_20181111720185905_201811117203333_C001  CS_OFF_SIR_OPM_2_20181111720185905_201811117203333_C001  CS_OFF_SIR_OPM_2_20181111720185905_201811117203333_C001  CS_OFF_SIR_OPM_2_20181111720185905_201811117203333_C001  CS_OFF_SIR_OPM_2_20181111720185905_201811117203333_C001  CS_OFF_SIR_OPM_2_20181111720185905_20181111720287_C001  CS_OFF_SIR_OPM_2_20181111720385_20181111720375_C001  CS_OFF_SIR_OPM_2_20181111721355_201811117212833_C001  CS_OFF_SIR_OPM_2_201811117212835_201811117212835_C001  CS_OFF_SIR_OPM_2_201811117212835_201811117212835_C001  CS_OFF_SIR_OPM_2_201811117212835_201811117212835_C001  CS_OFF_SIR_OPM_2_201811117212835_201811117212830_C001  CS_OFF_SIR_OPM_2_201811117212875_C001  CS_OFF_SIR_OPM_2_20181111722385_201811117244185_C001  CS_OFF_SIR_OPM_2_201811117224204_201811117224300_C001  CS_OFF_SIR_OPM_2_201811117224204_201811117224300_C001  CS_OFF_SIR_OPM_2_201811117224204_2018111172243380_C001  CS_OFF_SIR_OPM_2_201811117224205_2018111172243380_C001  CS_OFF_SIR_OPM_2_201811117224205_2018111172243380_C001  CS_OFF_SIR_OPM_2_201811117224205_2018111172243380_C001  CS_OFF_SIR_OPM_2_201811117224205_2018111172243380_C001  CS_OFF_SIR_OPM_2_201811117224205_201811117223390_C001  CS_OFF_SIR_OPM_2_201811117224205_201811117223390_C001  CS_OFF_SIR_OPM_2_201811117224205_201811117223390_C001  CS_OFF_SIR_OPM_2_201811117224205_201811117223390_C001  CS_OFF_SIR_OPM_2_20181111723336_201811117233726_C001  CS_OFF_SIR_OPM_2_20181111723336_201811117233726_C001  CS_OER_Range Averaging Status  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag	CS_OFFL_SIR_IOPM_2_20181111T192405_20181111T192806_C001	Ice Range Averaging Status	
CS_OFF_SIR_IOPM_2_2018111111203033_20181111720372C001  CS_OFF_SIR_IOPM_2_201811111720383_20181111720372C001  CS_OFF_SIR_IOPM_2_2018111117203851_20181111720383_20001  CS_OFF_SIR_IOPM_2_201811117203851_201811117205502_C001  CS_OFF_SIR_IOPM_2_201811117203851_201811117205502_C001  CS_OFF_SIR_IOPM_2_20181111721355_201811117210247_C001  CS_OFF_SIR_IOPM_2_20181111721355_201811117210247_C001  CS_OFF_SIR_IOPM_2_20181111721355_20181111721405502_C001  CS_OFF_SIR_IOPM_2_20181111721355_201811117214055_C001  CS_OFF_SIR_IOPM_2_201811117223052_201811117214055_C001  CS_OFF_SIR_IOPM_2_201811117223052_20181111722405_C001  CS_OFF_SIR_IOPM_2_201811117223052_20181111722405_C001  CS_OFF_SIR_IOPM_2_201811117223052_20181111722405_C001  CS_OFF_SIR_IOPM_2_201811117223052_20181111722405_C001  CS_OFF_SIR_IOPM_2_201811117223052_20181111722405_C001  CS_OFF_SIR_IOPM_2_20181111722405_C001  CS_OFF_SIR_IOPM_2_20181111722405_C001  CS_OFF_SIR_IOPM_2_20181111722405_C001  CS_OFF_SIR_IOPM_2_201811117223052_C0181111722405_C001  CS_OFF_SIR_IOPM_2_201811117223052_C0181111722405_C001  CS_OFF_SIR_IOPM_2_201811117223052_C0181111722405_C001  CS_OFF_SIR_IOPM_2_201811117223052_C0181111722405_C001  CS_OFF_SIR_IOPM_2_201811117223052_C01811117223052_C0181111722405_C001  CS_OFF_SIR_IOPM_2_20181111723305_C01811117223052_C001  CS_OFF_SIR_IOPM_2_20181111723305_C0181111723305_C001  CS_OFF_SIR_IOPM_2_2018111172305_C0181111723305_C001  CS_OFF_SIR_IOPM_2_2018111172305_C018111172305_C001  CS_OFF_SIR_IOPM_2_2018111172305_C018111172305_C001  C	CS_OFFL_SIR_IOPM_2_20181111T193302_20181111T195844_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_201811117201859_201811117203852_201811117203951_201811117203951_201811117203951_201811117203951_201811117203951_201811117203951_201811117203951_201811117203951_201811117203951_201811117203951_201811117203951_201811117203951_201811117203951_201811117203951_201811117203951_201811117203951_201811117203951_201811117203950_20011  CS_OFFL_SIR_IOPM_2_20181111721355_20181111721623_C0011  Cs_OFFL_SIR_IOPM_2_20181111721355_20181111721635_C0011  Cs_OFFL_SIR_IOPM_2_201811117221355_20181111721635_C0011  Cs_OFFL_SIR_IOPM_2_201811117222352_20181111722175_C0011  Cs_OFFL_SIR_IOPM_2_201811117223552_201811117223400_C0011  Cs_OFFL_SIR_IOPM_2_201811117223552_201811117223400_C0011  Cs_OFFL_SIR_IOPM_2_201811117223552_201811117224148_C0011  Cs_OFFL_SIR_IOPM_2_201811117224204_20181111722435001  Cs_OFFL_SIR_IOPM_2_201811117224204_20181111722435001  Cs_OFFL_SIR_IOPM_2_201811117224204_20181111722330001  Cs_OFFL_SIR_IOPM_2_201811117224204_20181111722330001  Cs_OFFL_SIR_IOPM_2_201811117223300_C0011  Cs_OFFL_SIR_IOPM_2_201811117223300_C0011  Cs_OFFL_SIR_IOPM_2_201811117223300_C0011  Cs_OFFL_SIR_IOPM_2_201811117223300_C0011  Cs_OFFL_SIR_IOPM_2_201811117223300_C0011  Cs_OFFL_SIR_IOPM_2_20181111723330_C0011  Cs_OFFL_SIR_IOPM_2_20181111723330_C0011  Cs_OFFL_SIR_IOPM_2_20181111723330_C0011  Cs_OFFL_SIR_IOPM_2_20181111723330_C0011  Cs_OFFL_SIR_IOPM_2_201811117232210_20181111723230001  Coean Range Averaging Status  Cs_OFFL_SIR_IOPM_2_20181111723330_C0011  Coean Range Averaging Status  Cs_OFFL_SIR_IOPM_2_20181111703324_20181111703330_C0011  Coean Range Averaging Status  Cs_OFFL_SIR_IOPM_2_201811117034340_C0011  Coean Range Averaging Status  Cc_OFFL_SIR_IOPM_2_201811117034340_C0011  Coean Range Averaging Status  Cc_OFFL_SIR_IOPM_2_201811117034340_C0	CS_OFFL_SIR_IOPM_2_20181111T195905_20181111T200633_C001	Ocean Range Averaging Status	
Cean Range Averaging Status  CS_OFFL_SIR_IOPM_2_201811117203951_2018111172047_C001  CS_OFFL_SIR_IOPM_2_201811117205727_201811117210247_C001  CS_OFFL_SIR_IOPM_2_20181111721355_201811117212823_C001  CS_OFFL_SIR_IOPM_2_201811117212835_201811117212823_C001  CS_OFFL_SIR_IOPM_2_201811117212835_201811117214283_C001  CS_OFFL_SIR_IOPM_2_201811117212835_201811117214283_C001  CS_OFFL_SIR_IOPM_2_201811117212835_201811117214283_C001  CS_OFFL_SIR_IOPM_2_201811117212835_201811117214200_C001  CS_OFFL_SIR_IOPM_2_201811117221927_201811117221725_C001  CS_OFFL_SIR_IOPM_2_201811117221927_201811117221927_C001  CS_OFFL_SIR_IOPM_2_201811117221927_201811117221927_C001  CS_OFFL_SIR_IOPM_2_201811117221927_2018111172219200_C001  CS_OFFL_SIR_IOPM_2_20181111722420_C001  CS_OFFL_SIR_IOPM_2_20181111722420_C001  CS_OFFL_SIR_IOPM_2_20181111722420_C001  CS_OFFL_SIR_IOPM_2_20181111722420_C001  CS_OFFL_SIR_IOPM_2_20181111722420_C001  CS_OFFL_SIR_IOPM_2_20181111724204_20181111722415_C001  CS_OFFL_SIR_IOPM_2_20181111724204_20181111722420_C001  CS_OFFL_SIR_IOPM_2_20181111724204_20181111722420_C001  CS_OFFL_SIR_IOPM_2_20181111724204_20181111722438_C001  CS_OFFL_SIR_IOPM_2_20181111724204_20181111722438_C001  CS_OFFL_SIR_IOPM_2_201811117223136_20181111723136_C001  CS_OFFL_SIR_IOPM_2_201811117231336_20181111723136_C001  CS_OFFL_SIR_IOPM_2_201811117231336_20181111723136_C001  CS_OFFL_SIR_IOPM_2_20181111701212_201811117011218_C001  CS_OFFL_SIR_IOPM_2_201811117011212_201811117011218_C001  CS_OFFL_S	CS_OFFL_SIR_IOPM_2_201811111T200833_20181111T201027_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181111723532_00181111724635_C001  CS_OFFL_SIR_IOPM_2_20181111721355_201811117212623_C001  CS_OFFL_SIR_IOPM_2_20181111721355_201811117212633_C001  CS_OFFL_SIR_IOPM_2_201811117212835_201811117212635_C001  CS_OFFL_SIR_IOPM_2_201811117221725_C001  CS_OFFL_SIR_IOPM_2_201811117221725_C001  CS_OFFL_SIR_IOPM_2_201811117221725_C001  CS_OFFL_SIR_IOPM_2_201811117221725_C001  CS_OFFL_SIR_IOPM_2_201811117221725_C001  CS_OFFL_SIR_IOPM_2_201811117224148_C001  CS_OFFL_SIR_IOPM_2_201811117224148_C001  CS_OFFL_SIR_IOPM_2_201811117224215_C001  CS_OFFL_SIR_IOPM_2_201811117224215_C001  CS_OFFL_SIR_IOPM_2_201811117224222_201811117224338_C001  CS_OFFL_SIR_IOPM_2_201811117224222_201811117224338_C001  CS_OFFL_SIR_IOPM_2_201811117224338_C001  CS_OFFL_SIR_IOPM_2_201811117224338_C001  CS_OFFL_SIR_IOPM_2_201811117224338_C001  CS_OFFL_SIR_IOPM_2_201811117224338_C001  CS_OFFL_SIR_IOPM_2_201811117224338_C001  CS_OFFL_SIR_IOPM_2_20181111723230_C018  CS_OFFL_SIR_IOPM_2_201811117231336_C0181111723339_C001  CS_OFFL_SIR_IOPM_2_20181111723230_C0181111723339_C001  CS_OFFL_SIR_IOPM_2_201811117232210_Z0181111723230_C001  CS_OFFL_SIR_IOPM_2_201811117232210_Z0181111723230_C001  CS_OFFL_SIR_IOPM_2_20181111723230_C001  CS_OFFL_SIR_IOPM_2_20181111723230_C001  CS_OFFL_SIR_IOPM_2_20181111723230_C001  CS_OFFL_SIR_IOPM_2_20181111723230_C001  CS_OFFL_SIR_IOPM_2_20181111723330_C0181111723330_C001  CS_OFFL_SIR_IOPM_2_20181111723330_C0181111723330_C001  CS_OFFL_SIR_IOPM_2_20181111723330_C0181111723330_C001  CS_OFFL_SIR_IOPM_2_20181111723330_C0181111723330_C001  CS_OFFL_SIR_IOPM_2_20181111723330_C0181111723330_C001  CS_OFFL_SIR_IOPM_2_20181111723330_C0181111723330_C001  CS_OFFL_SIR_IOPM_2_20181111723330_C0181111723330_C001  CS_OFFL_SIR_IOPM_2_20181111723330_C0181111723330_C001  CS_OFFL_SIR_IOPM_2_20181111723330_C0181111723330_C001  CS_OFFL_SIR_IOPM_2_20181111723330_C001  CS_OFFL_SIR_IOPM_2_20181111723330_C00181111723300_C001  CS_OFFL_SIR_IOPM_2_201811117203424_C001811117034340_C001  CS_OFFL_SIR_IOPM_2_201811117203424_C0018111172036_C001  CS_OFF	CS_OFFL_SIR_IOPM_2_20181111T201859_20181111T203323_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181111721355_201811117212623_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20181111722427_201811117224148_C001  Ice Range Averaging Status  The Ice Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_201811117224204_201811117224215_C001  Ice Range Averaging Status  The Ice Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_201811117224222_20181111722438_C001  Ice Range Averaging Status  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging	CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T205502_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181111T212835_20181111T214635_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for o	CS_OFFL_SIR_IOPM_2_20181111T205727_20181111T210247_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181111722452_20181111722455_C001  Ocean Range Averaging Status  Fecords.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_2018111117231336_2018111117232339_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status F	CS_OFFL_SIR_IOPM_2_20181111T211355_20181111T212623_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_2018111117221927_2018111117221448_C001  CS_OFFL_SIR_IOPM_2_2018111117224224_2018111117224148_C001  CS_OFFL_SIR_IOPM_2_201811111722424_2018111117224148_C001  CS_OFFL_SIR_IOPM_2_201811111722424_2018111117224338_C001  CS_OFFL_SIR_IOPM_2_2018111117224222_2018111117224338_C001  CS_OFFL_SIR_IOPM_2_201811117224222_201811117224338_C001  CS_OFFL_SIR_IOPM_2_201811117224222_201811117224338_C001  CS_OFFL_SIR_IOPM_2_201811117224222_201811117224338_C001  CS_OFFL_SIR_IOPM_2_201811117224222_201811117224338_C001  CS_OFFL_SIR_IOPM_2_20181111722425_C001  CS_OFFL_SIR_IOPM_2_201811117231336_201811117231726_C001  CS_OFFL_SIR_IOPM_2_201811117232339_C001  CS_OFFL_SIR_IOPM_2_20181111723210_201811117232339_C001  CS_OFFL_SIR_IOPM_2_201811117032210_201811117232339_C001  CS_OFFL_SIR_IOPM_2_201811117034324_201811117034349_C001  CS_OFFL_SIR_IOPM_2_201811117034324_201811117034349_C001  CS_OFFL_SIR_IOPM_2_201811117034324_201811117034349_C001  CS_OFFL_SIR_IOPM_2_201811117034324_201811117034324_C001  CS_OFFL_SIR_IOPM_2_201811117034324_201811117034324_C001  CS_OFFL_SIR_IOPM_2_201811117034324_201811117034324_C001  CCEAR Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for	CS_OFFL_SIR_IOPM_2_20181111T212835_20181111T214635_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181111T223652_20181111T224148_C001  CS_OFFL_SIR_IOPM_2_20181111T224204_20181111T224215_C001  Loe Range Averaging Status  The loe Range Averaging Status Flag has been set for one or more records.  The loe Range Averaging Status Flag has been set for one or more records.  The loe Range Averaging Status Flag has been set for one or more records.  The loe Range Averaging Status Flag has been set for one or more records.  The loe Range Averaging Status Flag has been set for one or more records.  The loe Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20181111T231336_20181111T231336_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20181111T031212_20181111T0312339_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPN_2_20181111T034324_20181111T034349_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPN_2_20181111T051414_20181111T03424_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging St	CS_OFFL_SIR_IOPM_2_20181111T220754_20181111T221725_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181111T224204_20181111T224215_C001	CS_OFFL_SIR_IOPM_2_20181111T221927_20181111T223400_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181111T224222_20181111T224338_C001  Ce Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20181111T231336_20181111T231726_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPN_2_20181111T034342_20181111T034349_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPN_2_20181111T051414_20181111T103426_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Oce	CS_OFFL_SIR_IOPM_2_20181111T223652_20181111T224148_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181111T224250_20181111T224550_C001  CS_OFFL_SIR_IOPM_2_20181111T231336_20181111T231726_C001  CS_OFFL_SIR_IOPM_2_20181111T231336_20181111T232339_C001  CS_OFFL_SIR_IOPM_2_20181111T232339_C001  CS_OFFL_SIR_IOPM_2_20181111T232339_C001  CS_OFFL_SIR_IOPM_2_20181111T0323210_20181111T032339_C001  CS_OFFL_SIR_IOPM_2_20181111T031212_20181111T031238_C001  CS_OFFL_SIR_IOPM_2_20181111T034349_C001  CS_OFFL_SIR_IOPM_2_20181111T034324_20181111T034349_C001  CS_OFFL_SIR_IOPM_2_20181111T034344_C001  CS_OFFL_SIR_IOPM_2_20181111T034344_C001  CS_OFFL_SIR_IOPM_2_20181111T034344_C001  CS_OFFL_SIR_IOPM_2_20181111T034344_C001  CS_OFFL_SIR_IOPM_2_20181111T031320_C001  CS_OFFL_SIR_IOPM_2_20181111T031320_C001  CS_OFFL_SIR_IOPM_2_20181111T031320_C001  CS_OFFL_SIR_IOPM_2_20181111T031320_C001  CS_OFFL_SIR_IOPM_2_20181111T031320_C001  CS_OFFL_SIR_IOPM_2_20181111T031320_C001  CS_OFFL_SIR_IOPM_2_20181111T031320_C001  CS_OFFL_SIR_IOPM_2_20181111T031320_C001  CS_OFFL_SIR_IOPM_2_20181111T031320_C001  CS_OFFL_SIR_IOPM_2_20181111T033320_20181111T033407_C001  CS_OFFL_SIR_IOPM_2_20181111T084456_20181111T084529_C001  CCS_OFFL_SIR_IOPM_2_20181111T084456_20181111T084529_C001  CCS_OFFL_SIR_IOPM_2_20181111T1084456_20181111T084529_C001  CCS_OFFL_SIR_IOPM_2_20181111T1084456_20181111T084529_C001  CCS_OFFL_SIR_IOPM_2_20181111T1084456_20181111T084529_C001  CCS_OFFL_SIR_IOPM_2_20181111T1084456_20181111T084529_C001  CCS_OFFL_SIR_IOPM_2_20181111T1084456_20181111T084529_C001  CCCCOMPARANCE Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean	CS_OFFL_SIR_IOPM_2_20181111T224204_20181111T224215_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPM_2_2018111117231336_2018111117231726_C001  CS_OFFL_SIR_IOPM_2_2018111117231336_2018111117232339_C001  CS_OFFL_SIR_IOPM_2_2018111117232210_2018111117232339_C001  CS_OFFL_SIR_IOPM_2_2018111117011212_2018111117011218_C001  CS_OFFL_SIR_IOPM_2_2018111117011214_C001  CS_OFFL_SIR_IOPM_2_2018111117034324_201811117034349_C001  CS_OFFL_SIR_IOPM_2_2018111117034324_201811117034349_C001  CS_OFFL_SIR_IOPM_2_2018111117034324_201811117034349_C001  CS_OFFL_SIR_IOPM_2_201811117051414_201811117051424_C001  CS_OFFL_SIR_IOPM_2_201811117051414_201811117051424_C001  CS_OFFL_SIR_IOPM_2_201811117051414_201811117051424_C001  CS_OFFL_SIR_IOPM_2_201811117051424_C001  CS_OFFL_SIR_IOPM_2_201811117051424_C001  CS_OFFL_SIR_IOPM_2_201811117063320_201811117083407_C001  CS_OFFL_SIR_IOPR_2_201811117083320_201811117083407_C001  CS_OFFL_SIR_IOPR_2_201811117084456_201811117084529_C001  CS_OFFL_SIR_IOPR_2_201811117084456_201811117084529_C001  CCS_OFFL_SIR_IOPR_2_201811117182904_201811117183118_C001	CS_OFFL_SIR_IOPM_2_20181111T224222_20181111T224338_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20181111T232339_C001  CS_OFFL_SIR_IOPM_2_20181111T232339_C001  CS_OFFL_SIR_IOPM_2_20181111T011212_20181111T011218_C001  CS_OFFL_SIR_IOPN_2_20181111T011212_20181111T011218_C001  CS_OFFL_SIR_IOPN_2_20181111T034324_20181111T034349_C001  CS_OFFL_SIR_IOPN_2_20181111T034324_20181111T034349_C001  CS_OFFL_SIR_IOPN_2_20181111T051414_20181111T051424_C001  CS_OFFL_SIR_IOPN_2_20181111T051414_20181111T051424_C001  CS_OFFL_SIR_IOPN_2_20181111T051414_20181111T051424_C001  CS_OFFL_SIR_IOPN_2_20181111T03320_20181111T120326_C001  CS_OFFL_SIR_IOPN_2_20181111T1083320_20181111T1083407_C001  CS_OFFL_SIR_IOPR_2_20181111T083320_20181111T083407_C001  CS_OFFL_SIR_IOPR_2_20181111T084456_20181111T084529_C001  CS_OFFL_SIR_IOPR_2_20181111T084456_20181111T084529_C001  CS_OFFL_SIR_IOPR_2_20181111T182904_20181111T183118_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPM_2_20181111T224950_20181111T225150_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPN_2_20181111T034324_20181111T034349_C001  CS_OFFL_SIR_IOPN_2_20181111T034324_20181111T034349_C001  CS_OFFL_SIR_IOPN_2_20181111T034324_20181111T034349_C001  CS_OFFL_SIR_IOPN_2_20181111T034324_20181111T034349_C001  CS_OFFL_SIR_IOPN_2_20181111T034324_20018  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPM_2_20181111T231336_20181111T231726_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPN_2_20181111T034324_20181111T034349_C001  CS_OFFL_SIR_IOPN_2_20181111T051414_20181111T051424_C001  CS_OFFL_SIR_IOPN_2_20181111T051414_20181111T051424_C001  CS_OFFL_SIR_IOPN_2_20181111T051414_20181111T051424_C001  CS_OFFL_SIR_IOPN_2_20181111T120123_20181111T120326_C001  CS_OFFL_SIR_IOPN_2_20181111T120123_20181111T120326_C001  CS_OFFL_SIR_IOPR_2_20181111T083320_20181111T1083407_C001  CS_OFFL_SIR_IOPR_2_20181111T083456_20181111T084529_C001  CS_OFFL_SIR_IOPR_2_20181111T084456_20181111T084529_C001  CS_OFFL_SIR_IOPR_2_20181111T084456_20181111T084529_C001  CS_OFFL_SIR_IOPR_2_20181111T182904_20181111T183118_C001  CS_OFFL_SIR_IOPR_2_20181111T182904_20181111T183118_C001  CS_OFFL_SIR_IOPR_2_20181111T182904_20181111T183118_C001  CS_OFFL_SIR_IOPR_2_20181111T182904_20181111T183118_C001  CS_OFFL_SIR_IOPR_2_20181111T182904_20181111T183118_C001  CS_OFFL_SIR_IOPR_2_20181111T182904_20181111T183118_C001  CS_OFFL_SIR_IOPR_2_20181111T182904_20181111T183118_C001  CS_OFFL_SIR_IOPR_2_20181111T182904_20181111T183118_C001  CS_OFFL_SIR_IOPR_2_20181111T182904_20181111T183118_C001	CS_OFFL_SIR_IOPM_2_20181111T232210_20181111T232339_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPN_2_20181111T054344_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPN_2_20181111T083320_20181111T120326_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPR_2_20181111T083320_20181111T083407_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPR_2_20181111T084456_20181111T0844529_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPN_2_20181111T011212_20181111T011218_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPN_2_20181111T081414_201611111081424_C001  Ocean Range Averaging Status  records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPR_2_201811111T083320_20181111T083407_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPN_2_20181111T034324_20181111T034349_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPR_2_201811111120123_201811111120326_C001  Ocean Range Averaging Status  CS_OFFL_SIR_IOPR_2_2018111111083407_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPN_2_20181111T051414_20181111T051424_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPR_2_20181111T084456_20181111T084529_C001  CS_OFFL_SIR_IOPR_2_20181111T084456_20181111T084529_C001  CS_OFFL_SIR_IOPR_2_20181111T182904_20181111T183118_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPN_2_20181111T120123_20181111T120326_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPR_2_20161111064450_20161111064529_C001  CS_OFFL_SIR_IOPR_2_201611111064450_201611111064529_C001  Ocean Range Averaging Status  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_IOPR_2_20181111T083320_20181111T083407_C001	Ocean Range Averaging Status	
US OFFI SIR JOPR 2 201811111182904 201811111183118 COUL JUCEAN RANGE AVERAGING STATUS	CS_OFFL_SIR_IOPR_2_20181111T084456_20181111T084529_C001	Ocean Range Averaging Status	
	CS_OFFL_SIR_IOPR_2_20181111T182904_20181111T183118_C001	Ocean Range Averaging Status	

## 5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20181111T004211_20181111T010313_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_20181111T010822_20181111T011156_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181111T011203_20181111T011212_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181111T011218_20181111T011537_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181111T011912_20181111T014710_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_20181111T021754_20181111T024239_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_20181111T024604_20181111T025110_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181111T025117_20181111T025445_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181111T025920_20181111T030917_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

Delivering blass, Core  Fig. 19th 2 2014111TBMA 201411TBMA 2016  GOFF, SR 19th 2 201411TBMA 20141TBMA 2016  GOFF, SR 19th 2 201411TBMA 20141TBMA 2016  GOFF, SR 19th 2 201411TBMA 20141TBMA 2016  GOFF, SR 19th 2 20141TBMA 2016  GOFF, SR 19th 2 20141TBMA 20161TBMA 2016  GOFF, SR 19th	CS_OFFL_SIR_IOPM_2_20181111T031454_20181111T033210_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CO OFF. BR. OFF. 2 201111100272 201111100272 201111100272 2011100272 20111100272 2011100272 20111100272 2011100272		Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
COUTL_SEQUENT_2001111100112_2011111100112_2010  COUTL_SEQUENT_20011111001111001112_2010  COUTL_SEQUENT_20011111001111001112_2010  COUTL_SEQUENT_20011111001111001112_2010  COUTL_SEQUENT_20011111001111001112_2010  COUTL_SEQUENT_20011111001111001112_2010  COUTL_SEQUENT_20011111001111001112_2010  COUTL_SEQUENT_20011111001112_2010  COUTL_SEQUENT_20011111001112_2010  COUTL_SEQUENT_20011111001112_2010  COUTL_SEQUENT_2001111100111_2010111100111_2010  COUTL_SEQUENT_2001111100111_2010111100111_2010  COUTL_SEQUENT_2001111100111_2010111100111_2010  COUTL_SEQUENT_2001111100111_2010111100111_2010  COUTL_SEQUENT_2001111100111_201011100111_201011_201011_201011100111_201011_201011100111_201011_201011100111_201011_201011100111_201011_201011100111_201011_201011100111_201011_201011_201011100111_201011_201011100111_201011100111_201011_201011100111_201011_201011100111_201011_201011100111_201011_201011100111_201011100111_201011_201011100111_201011_201011100111_201011_201011100111_201011100111_201011_201011100111_201011100111_201011100111_201011100111_201011100111_201011100111_201011100111_201011100111_201011100111100111_201011100111_201011100111100111_201011100111100111_2010111001111001111001111001111001111001111			
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Copper   Big   One   2.000 min 1785 harmy 2011 min 1785 m		Backscatter Averaging Status	more records.
Section Processing State Plays have been and for one or of the control of the con	CS_OFFL_SIR_IOPM_2_20181111T042603_20181111T043142_C001		records.
Soft- Section 2 point in 1987 (2) point in 1988	CS_OFFL_SIR_IOPM_2_20181111T043917_20181111T051129_C001	Backscatter Averaging Status	more records.
So OFE, SRI, OPPL 2 2019111100005, 20191111100065, COID  SO OFE, SRI, OPPL 2 2019111100065, COID  SO OFE, SRI, OPPL 2 20191111100065, COID  SO OFE, SRI, OPPL 2 20191111100065, COID  SO OFE, SRI, OPPL 2 2019111110005, COID  SO OFE, SRI, OPPL 2 20191111100065, COID  SO OFE,	CS_OFFL_SIR_IOPM_2_20181111T054411_20181111T055951_C001		more records.
Selection A control 20091111100002 (20181111100190, 2010)  Selection A control 20181111100002 (20181111100190, 2010)  Selection A control 2018111100002 (20181111100190, 20181111100190, 20181111100002 (20181111100002)  Selection A control 2018111100002 (20181111100000)  Selection A control 2018111100000 (20181111100000)  Selection A control 2018111100000 (20181111100000)  Selection A control 20181111100000 (20181111100000)  Selection A control 2018111100000 (20181111100000)  Selection A control 2018111100000 (20181111100000)  Selection A control 2018111100000 (20181111100000)  Selection A control 20181111100000 (20181111100000)  Selection A control 2018111100000 (20181111100000)  Selection A control 20181111100000 (201811111100000)  Selection A control 20181111100000 (2018111111000000)  Selection A control 20181111100000 (201811111000000)  Selection A control 20181111100000 (201811111100000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20181111T060527_20181111T061037_C001	Ice Backscatter Averaging Status	* * *
Selection From 2 Desired Physics of the Street and Down Averaging Studies Plags have been as for one or	CS_OFFL_SIR_IOPM_2_20181111T061731_20181111T065310_C001		
Deskedorfer Averaging Status  OFF_SIR_OPM2_20191111109251_2019111109351.001  SOME Averaging Status. Opera Brackscofer Averaging Status.  Opera Brackscofer Averaging Status	CS_OFFL_SIR_IOPM_2_20181111T070304_20181111T070456_C001		
SWI Averaging Status. Opera Support Status.	CS_OFFL_SIR_IOPM_2_20181111T071510_20181111T071940_C001		
SWIT Amenging Status, Ocean Instruction Company Status (Amenging Status (A	CS_OFFL_SIR_IOPM_2_20181111T072027_20181111T073803_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Sey CFFL_SIR_LOPM_2_20181111104303_20181111104303_001  SeyN Averages Status. Cocan Backscatter Averages Status. Seyn and Cocan Backscatter Averages Status. Cocan Backscatter Averages Status. Seyn and Cocan Backscatter Averages Status. Cocan Backscatter Averages Status. Seyn and Cocan Averages Status. Seyn and Cocan Backscatter Averages Status. Sey	CS OFFL SIR IOPM 2 20181111T075715 20181111T081242 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CG_OFFL_SIR_IOPH2_20181111706459_O161111706456_C011  Bedscater Averaging Blass, Govern Bedscater Averaging Blass, Govern SWM Averaging Blass, Govern SWM Averaging Blass, Govern Bedscater Averaging Blass CR_DEPL_20181111706549_C01111706244_C011  CR_OFFL_SIR_IOPH2_20181117106369_20181117106245_C011  CR_OFFL_SIR_IOPH2_20181117106369_20181117106245_C011  CR_OFFL_SIR_IOPH2_20181117106369_20181117106245_C011  CR_OFFL_SIR_IOPH2_20181117106369_20181117106245_C011  CR_OFFL_SIR_IOPH2_20181117106369_20181117106245_C011  CR_OFFL_SIR_IOPH2_20181117106369_20181117106250_C011  CR_OFFL_SIR_IOPH2_20181117106369_201811171106250_C011  CR_OFFL_SIR_IOPH2_20181117106369_201811171106250_C011  CR_OFFL_SIR_IOPH2_201811171106369_20181117110619_C011  CR_OFFL_SIR_IOPH2_201811171106360_20181117110619_C011  CR_OFFL_SIR_IOPH2_201811171106360_20181117110619_C011  CR_OFFL_SIR_IOPH2_201811171106360_20181117110619_C011  CR_OFFL_SIR_IOPH2_201811171106360_20181117110619_C011  CR_OFFL_SIR_IOPH2_201811171106360_20181117110619_C011  CR_OFFL_SIR_IOPH2_201811171106360_20181117110619_C011  CR_OFFL_SIR_IOPH2_201811171106360_20181117110619_C011  CR_OFFL_SIR_IOPH2_201811171106360_20181117110640_C011  CR_OFFL_SIR_IOPH2_201811171106360_20181117110640_C011  CR_OFFL_SIR_IOPH2_201811171106360_20181117110640_C011  CR_OFFL_SIR_IOPH2_201811171106360_20181117110640_C011  CR_OFFL_SIR_IOPH2_201811171106360_20181117110640_C011  CR_OFFL_SIR_IOPH2_201811171106360_20181117110640_C011  CR_OFFL_SIR_IOPH2_201811171106360_20181117110640_C011  CR_OFFL_SIR_IOPH2_201811171106360_20181171110640_C011  CR_OFFL_SIR_IOPH2_201811171106360_20181117110640_C011  CR_OFFL_SIR_IOPH2_201811171106360_2018117110640_C011  CR_OFFL_SIR_IOPH2_20181117110640_C011  CR_OFFL_SIR_IOPH2_20181117110640_C011  CR_OFFL_SIR_IOPH2_20181117110640_C011  CR_OFFL_SIR_IOPH2_20181171110640_C011  CR_OFFL_SIR_IOPH2_20181117110640_C011  CR_OFFL_SIR_IOPH2_20181171110640_C011  CR_OFFL_SIR_IOPH2_20181171110640_C011  CR_OFFL_SIR_IOPH2_20181117110640_C011  CR_OFFL_SIR_IOPH2_20181117110640_C011  CR_OFFL_SIR_IOPH2_201811711		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SR_OPM_2_20181111709269_2018111709269_001  CS_OFFL_SR_OPM_2_2018111709269_2018111709269_001  CS_OFFL_SR_OPM_2_2018111709269_2018111709269_001  CS_OFFL_SR_OPM_2_20181117109269_2018111709269_001  CS_OFFL_SR_OPM_2_20181117109269_2018111709269_001  CS_OFFL_SR_OPM_2_20181117109269_20181117109269_001  CS_OFFL_SR_OPM_2_20181117109269_20181117109269_001  CS_OFFL_SR_OPM_2_20181117109269_20181117109269_001  CS_OFFL_SR_OPM_2_20181117109269_20181117109269_001  CS_OFFL_SR_OPM_2_20181117109269_20181117109269_001  CS_OFFL_SR_OPM_2_20181117109269_20181117109269_001  CS_OFFL_SR_OPM_2_20181117109269_20181117109269_001  CS_OFFL_SR_OPM_2_20181117109269_001  CS_OFFL_SR_OPM_2_201811			
CS_OFF_SR_JOPM_2_20181111708208_20181111708208_CO1  CS_OFF_SR_JOPM_2_20181111708208_20181111708208_CO1  CS_OFF_SR_JOPM_2_20181111708208_2018111170826_CO1  CS_OFF_SR_JOPM_2_20181111708208_2018111170826_CO1  CS_OFF_SR_JOPM_2_201811117108208_CO1  CS_OFF_SR_JOPM_2_201811117108208_CO1  CS_OFF_SR_JOPM_2_201811117108208_CO1  CS_OFF_SR_JOPM_2_20181117108208_CO1  CS_OFF_SR_JOPM_2_2018111			
SE OFFL. SR. (DPM 2_0181111708510_001)  SE OFFL. SR. (DPM 2_0181117108510_001)  SE OFFL. SR. (DPM 2_0181117108500_001)  SE OFFL. SR. (DPM 2_01811171108500_001)  SE OFFL. SR. (DPM 2_018111171108500_001)  SE OFFL. SR. (DPM 2_018111171108500_001)  SE OFFL. SR. (D		Backscatter Averaging Status	more records.
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Backscatter Averaging Status Plags have been set for one or more records.  S. GFFL_SIR_JOPM_2_201811111102041_201811111102205_C001  S. GFFL_SIR_JOPM_2_201811111102041_201811111102205_C001  S. GFFL_SIR_JOPM_2_201811111102041_201811111110205_C001  S. GFFL_SIR_JOPM_2_201811111110204_201811111110205_C001  S. GFFL_SIR_JOPM_2_201811111112082_C001  S. GFFL_SIR_JOPM_2_201811111112082_C001  S. GFFL_SIR_JOPM_2_20181111112081_20181111112084_C001  S. GFFL_SIR_JOPM_2_20181111112081_20181111112084_C001  S. GFFL_SIR_JOPM_2_20181111112081_20181111112084_C001  S. GFFL_SIR_JOPM_2_20181111112081_20181111112084_C001  S. GFFL_SIR_JOPM_2_20181111112081_20181111112084_C001  S. GFFL_SIR_JOPM_2_20181111112085_201811111111111111111111111111111111111	CS_OFFL_SIR_IOPM_2_20181111T093006_20181111T093350_C001		records.
Backscaller Averaging Status  Fig. Fig. JoPM. 2. 201811117110240 20181117110225 2001  SVPH Averaging Status  SVPH	CS_OFFL_SIR_IOPM_2_20181111T093603_20181111T095110_C001	Backscatter Averaging Status	more records.
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So, OFFL_SR_LOPM_2_201811111110502_201811111110542_0011  So, OFFL_SR_LOPM_2_201811111110502_20181111110547_0011  So, OFFL_SR_LOPM_2_20181111110502_20181111110547_0011  So, OFFL_SR_LOPM_2_20181111110502_20181111110547_0011  So, OFFL_SR_LOPM_2_20181111110502_20181111110547_0011  So, OFFL_SR_LOPM_2_201811111105527_20181111110547_0011  So, OFFL_SR_LOPM_2_201811111105527_20181111110552_001  So, OFFL_SR_LOPM_2_201811111105527_20181111110552_001  So, OFFL_SR_LOPM_2_201811111105527_20181111110552_001  So, OFFL_SR_LOPM_2_20181111110552_001  So, OFFL_SR_LOPM_2_20181111110505_001  So, OFFL_SR_LOPM_2_20181111110505_001  So, OFFL_SR_LOPM_2_20181111110505_001  So, OFFL_SR_LOPM_2_201811111110505_001  So, OFFL_SR_LOPM_2_201811111110505_001  So, OFFL_SR_LOPM_2_201811111110505_001  So, OFFL_SR_LOPM_2_201811111110505_001  So, OFFL_SR_LOPM_2_201811111110505_001  So, OFFL_SR_LOPM_2_201811111110505_001  So, OFFL_SR_LOPM_2_2018111111110505_001  So, OFFL_SR_LOPM_2_2018111111110505_001  So, OFFL_SR_LOPM_2_20181111111110505_001  So, OFFL_SR_LOPM_2_2018111111111111111111111111111111111	CS_OFFL_SIR_IOPM_2_20181111T102041_20181111T102205_C001	Ice Backscatter Averaging Status	
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SOFFL_SIR_IOPM_2_20181111T120804_20181111T16985_20181111T16980_201  SWH Averaging Status Averaging Status Flags have been set for one or more records.  SWH Averaging Status Cosen Backscatter Averaging Status Flags have been set for one or more records.  SOFFL_SIR_IOPM_2_20181111T120814_2018111T16950_2018111T1	CS_OFFL_SIR_IOPM_2_20181111T111553_20181111T113014_C001		The SWH and Ocean Averaging Status Flags have been set for one or
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SOFELSIR (IOPM 2_201811111124552_20181111113696_CO1)  SOFELSIR (IOPM 2_201811111113696_CO1)  SOFELSIR (IOPM 2_20181111113696_CO1)  SOFELSIR (IOPM 2_20181111116966_CO1)  SOFELSIR (IOPM		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
SWH Averaging Status. Cosan Backscatter Averaging Status. SWH Averaging Status Flags have been set for one or			The Ice Backscatter Averaging Status Flag has been set for one or more
Secretariary Neuraling Status  SWH Averaging Status, Ocean Backscatter Averaging Status  SWH Averaging Status, Ocean More records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  SWH Averaging Status, Ocean Backscatter Averaging Status 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 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			
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Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_2018111111442957_C001  CS_OFFL_SIR_IOPM_2_201811111144349_20181111116002_C001  CS_OFFL_SIR_IOPM_2_201811111164045_20181111116002_C001  CS_OFFL_SIR_IOPM_2_201811111164045_20181111116002_C001  CS_OFFL_SIR_IOPM_2_201811111164045_20181111116002_C001  CS_OFFL_SIR_IOPM_2_201811111164045_20181111116002_C001  CS_OFFL_SIR_IOPM_2_201811111164045_20181111116002_C001  CS_OFFL_SIR_IOPM_2_201811111164002_D0181111116002_C001  CS_OFFL_SIR_IOPM_2_201811111164002_D0181111116002_C001  CS_OFFL_SIR_IOPM_2_201811111164002_D0181111116002_C001  CS_OFFL_SIR_IOPM_2_201811111164002_D0181111116002_C001  CS_OFFL_SIR_IOPM_2_2018111111164002_D0181111116002_C001  CS_OFFL_SIR_IOPM_2_2018111111164002_D01811111116002_C001  CS_OFFL_SIR_IOPM_2_2018111111111111111111111111111111111		Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20181111T16495_20181111T16500_CO01  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 Loe Backscatter Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The Loe Backscatter Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The Loe Backscatter Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The Loe Backscatter Averaging Status Flags have been set for one or more records.  The Loe Backscatter Averaging Status Flags have been set for one or more records.  The Loe Backscatter Averaging Status Flags have been set for one or more records.  The Lo	CS_OFFL_SIR_IOPM_2_20181111T140808_20181111T141826_C001		more records.
Backscatter Averaging Status  SWH Averaging Status  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20181111T161024_C001  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20181111T161024_C001  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20181111T161024_C001  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20181111T16405_20181111T161808_C001  SWH Averaging Status  SWH Averaging Status  SWH Averaging Status  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20181111T16405_20181111T165058_C001  Backscatter Averaging Status  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20181111T170403_20181111T17654_C001  SWH Averaging Status  SWH Averaging Status  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20181111T174040_20181111T17401_C001  CS_OFFL_SIR_IOPM_2_20181111T174349_20181111T19401_C001  CS_OFFL_SIR_IOPM_2_20181111T194137_20181111T19406_C001  CS_OFFL_SIR_IOPM_2_20181111T194147_C001  CS_OFFL_SIR_IOPM_2_20181111T19405_20181111T19406_C001  CS_OFFL_SIR_IOPM_2_20181111T19406_20181111T19406_C001  CS_OFFL_SIR_IOPM_2_20181111T19406_C001  CS_OFFL_SIR_IOPM_2_20181111T19406_C001  CS_OFFL_SIR_IOPM_2_20181111T19406_C001  CS_OFFL_SIR_IOPM_2_20181111T19406_C001  CS_OFFL_SIR_IOPM_2_20181111T19406_C001  CS_OFFL_SIR_IOPM_2_20181111T19406_C001  CS_OFFL_SIR_IOPM_2_20181111T192348_C001  CS_OFFL_SIR_IOPM_2_20181111T19406_C001  CS_OFFL_SIR_IOPM_2_20181111T19302_C0181111T192086_C001  CS_OFFL_SIR_IOPM_2_20181111T19302_C0181111T192086_C001  CS_OFFL_SIR_IOPM_2_20181111T19304_C001  CS_OFFL_SIR_IOPM_2_20181111T100033_C001  CS_OFFL_SIR_IOPM	CS_OFFL_SIR_IOPM_2_20181111T142535_20181111T142957_C001		records.
GS_OFFL_SIR_IOPM_2_20181111T160445_20181111T161024_C001	CS_OFFL_SIR_IOPM_2_20181111T143449_20181111T150101_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20181111T164921_20181111T165058_C001  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The Ioe Backscatter Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The Ioe Backscatter Averaging Status Flags have been set for one or more records.  The Ioe Backscatter Averaging Status Flags have been set for one or more records.  The Ioe Backscatter Averaging Status Flags have been set for one or more records.  The Ioe Backscatter Averaging Status Flags have been set for one or more records.  The Ioe Backscatter Averaging Status Flags have been set for one or more records.  The Ioe Backscatter Averaging Status Flags have been set for one or more records.  The Ioe Backscatter Averaging Status Flags have been set for one or more records.  The Ioe	CS_OFFL_SIR_IOPM_2_20181111T152537_20181111T155630_C001		
SOUTH SIR_IOPM_2 20181111T164921_20181111T165058_C001  SOUTH 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 Ice Backscatter Averaging Status Flag has been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flags have been set for one or more records	CS_OFFL_SIR_IOPM_2_20181111T160445_20181111T161024_C001	Ice Backscatter Averaging Status	
SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Coean Backscatter Averaging Status Flags have been set for one or more records.  SWH Averaging Status Coean Backscatter Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The loe Backscatter Averaging Status Flags have been set for one or more records.  The loe Backscatter Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The loe Backscatter Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Stat	CS_OFFL_SIR_IOPM_2_20181111T161405_20181111T161808_C001		
SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  CS_OFFL_SIR_IOPM_2_20181111T174349_20181111T174901_C001  CS_OFFL_SIR_IOPM_2_20181111T174349_20181111T181047_C001  CS_OFFL_SIR_IOPM_2_20181111T174349_20181111T181047_C001  CS_OFFL_SIR_IOPM_2_20181111T181047_20018  SWH Averaging Status  CS_OFFL_SIR_IOPM_2_20181111T191539_C001  CS_OFFL_SIR_IOPM_2_20181111T192124_20181111T192348_C001  CS_OFFL_SIR_IOPM_2_20181111T192405_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T192405_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T19302_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T19302_20181111T192063_C001  CS_OFFL_SIR_IOPM_2_20181111T193032_20181111T192063_C001  CS_OFFL_SIR_IOPM_2_20181111T193032_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T193083_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T200833_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T200833_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T200833_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T200833_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T200833_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T200833_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T200833_20181111T200332_C001  CS_OFFL_SIR_IOPM_2_20181111T200833_20181111T203323_C001  CS_OFFL_SIR_IOPM_2_20181111T200833_20181111T203323_C001  CS_OFFL_SIR_IOPM_2_20181111T200834_20181111T203323_C001  CS_OFFL_SIR_IOPM_2_20181111T200834_20181111T203324_C001  CS_OFFL_SIR_IOPM_2_20181111T200834_20181111T203348_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203348_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203348_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM	CS_OFFL_SIR_IOPM_2_20181111T164921_20181111T165058_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20181111T174349_20181111T174901_C001  CS_OFFL_SIR_IOPM_2_20181111T174349_20181111T181047_C001  CS_OFFL_SIR_IOPM_2_20181111T184137_20181111T19539_C001  CS_OFFL_SIR_IOPM_2_20181111T192124_20181111T19539_C001  CS_OFFL_SIR_IOPM_2_20181111T192124_20181111T192348_C001  CS_OFFL_SIR_IOPM_2_20181111T192405_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T193302_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T193302_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T193302_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T193302_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T193302_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T195905_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T200833_20181111T2007_C001  CS_OFFL_SIR_IOPM_2_20181111T200834_20181111T203323_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203804_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203804_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203804_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203804_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203804_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_C001  CS_OFFL_SIR_IO	CS_OFFL_SIR_IOPM_2_20181111T170403_20181111T173654_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20181111T184137_20181111T181047_C001  SWH Averaging Status, Ocean Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20181111T184137_20181111T191539_C001  CS_OFFL_SIR_IOPM_2_20181111T192124_20181111T192348_C001  CS_OFFL_SIR_IOPM_2_20181111T192405_20181111T192348_C001  CS_OFFL_SIR_IOPM_2_20181111T192405_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T193302_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T193302_20181111T195844_C001  CS_OFFL_SIR_IOPM_2_20181111T19505_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T19505_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T200833_20181111T201027_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203323_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T205502_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T205502_C0			The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181111T184137_20181111T191539_C001  CS_OFFL_SIR_IOPM_2_20181111T192124_20181111T192348_C001  CS_OFFL_SIR_IOPM_2_20181111T192405_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T192405_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T193302_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T193302_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T193302_20181111T195844_C001  CS_OFFL_SIR_IOPM_2_20181111T195905_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T20833_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T20833_20181111T20027_C001  CS_OFFL_SIR_IOPM_2_20181111T20833_20181111T20127_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203323_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T205727_20181111T205727_20181111T203972_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T203972_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T205727_20181111T203972_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T203972_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T203972_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T203972_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T203951_20181111T20395		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20181111T192124_20181111T192348_C001  CS_OFFL_SIR_IOPM_2_20181111T192405_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T193302_20181111T192804_C001  CS_OFFL_SIR_IOPM_2_20181111T19302_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T19302_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T19305_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T1020833_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T200833_20181111T20027_C001  CS_OFFL_SIR_IOPM_2_20181111T201859_20181111T203323_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203323_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C00		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20181111T192405_20181111T192806_C001  CS_OFFL_SIR_IOPM_2_20181111T192405_20181111T192804_C001  CS_OFFL_SIR_IOPM_2_20181111T193302_20181111T195844_C001  CS_OFFL_SIR_IOPM_2_20181111T195905_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T200833_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T200833_20181111T201027_C001  CS_OFFL_SIR_IOPM_2_20181111T201859_20181111T203323_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203323_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T205502_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T203047_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T203047_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T203047_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T20047_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T203047_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T20047_C001  CS_OFFL_SIR_IO		Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20181111T19340_20181111T195844_C001  CS_OFFL_SIR_IOPM_2_20181111T195905_20181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T200833_200181111T200633_C001  CS_OFFL_SIR_IOPM_2_20181111T200833_20181111T201027_C001  CS_OFFL_SIR_IOPM_2_20181111T201859_20181111T203323_C001  CS_OFFL_SIR_IOPM_2_20181111T201859_20181111T203323_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203323_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T205502_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T205727_20181111T20047_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T20047_C001  CS_O			records.
Backscatter Averaging Status more records.  CS_OFFL_SIR_IOPM_2_201811111T200633_C001  CS_OFFL_SIR_IOPM_2_201811111T200633_C001  CS_OFFL_SIR_IOPM_2_201811111T200833_20181111T201027_C001  CS_OFFL_SIR_IOPM_2_20181111T201859_20181111T203323_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203323_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T205502_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T205502_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T205727_20181111T20047_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T20047_C001  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T20	CS_OFFL_SIR_IOPM_2_20181111T192405_20181111T192806_C001		records.
CS_OFFL_SIR_IOPM_2_2018111117200833_201811111720127_C001  CS_OFFL_SIR_IOPM_2_2018111117201859_2018111117203323_C001  CS_OFFL_SIR_IOPM_2_2018111117203804_2018111117203323_C001  CS_OFFL_SIR_IOPM_2_2018111117203804_2018111117203948_C001  CS_OFFL_SIR_IOPM_2_2018111117203804_2018111117203948_C001  CS_OFFL_SIR_IOPM_2_2018111117203951_201811111720502_C001  CS_OFFL_SIR_IOPM_2_201811117203951_201811111720502_C001  CS_OFFL_SIR_IOPM_2_201811117203951_201811117203047_C001  CS_OFFL_SIR_IOPM_2_2018111172039572_201811117203047_C001  CS_OFFL_SIR_IOPM_2_2018111172039572_201811117203047_C001  CS_OFFL_SIR_IOPM_2_2018111172039572_201811117203047_C001  CS_OFFL_SIR_IOPM_2_2018111172039572_201811117203047_C001  CS_OFFL_SIR_IOPM_2_2018111172039572_201811117203047_C001  CS_OFFL_SIR_IOPM_2_2018111172039572_201811117203047_C001  CS_OFFL_SIR_IOPM_2_201811117203951_201811117203047_C001  CS_OFFL_SIR_IOPM_2_201811117203047_C001  CS_OFFL_SIR_IOPM_2_201811117203047_C001  CS_OFFL_SIR_IOPM_2_201811117203047_C001  CS_OFFL_SIR_IOPM_2_201811117203047_C001  CS_OFFL_SIR_IOPM_2_201811117203047_C001  C	CS_OFFL_SIR_IOPM_2_20181111T193302_20181111T195844_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_201811117201859_20181111720323_C001  CS_OFFL_SIR_IOPM_2_201811117203804_201811117203323_C001  CS_OFFL_SIR_IOPM_2_201811117203804_201811117203948_C001  CS_OFFL_SIR_IOPM_2_201811117203951_20181111720502_C001  CS_OFFL_SIR_IOPM_2_201811117203951_20181111720502_C001  CS_OFFL_SIR_IOPM_2_201811117203951_20181111720502_C001  CS_OFFL_SIR_IOPM_2_201811117203951_20181111720502_C001  CS_OFFL_SIR_IOPM_2_201811117203951_20181111720502_C001  CS_OFFL_SIR_IOPM_2_201811117203951_20181111720502_C001  CS_OFFL_SIR_IOPM_2_201811117203951_20181111720502_C001  CS_OFFL_SIR_IOPM_2_201811117203951_20181111720347_C001  CS_OFFL_SIR_IOPM_2_201811117203951_20181111720347_C001  CS_OFFL_SIR_IOPM_3_201811117203951_20181111720347_C001  CS_OFFL_SIR_IOPM_3_201811117203948_C001  CS_OFFL_SI	CS_OFFL_SIR_IOPM_2_20181111T195905_20181111T200633_C001		more records.
Backscatter Averaging Status  CS_OFFL_SIR_IOPM_2_2018111117203804_2018111117203948_C001  CS_OFFL_SIR_IOPM_2_2018111117203951_2018111117205502_C001  CS_OFFL_SIR_IOPM_2_2018111117203951_2018111117205502_C001  Backscatter Averaging Status  SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The ICE Backscatter Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_201811111T200833_20181111T201027_C001	Ice Backscatter Averaging Status	
CS_OFFL_SIR_IOPM_2_20181111T203804_20181111T203948_C001  SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more records.  CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T20397_20181111T20397_20181111T20397_20181111T20397_20181111T20397_20181111T20397_20181111T203988_C001	CS_OFFL_SIR_IOPM_2_20181111T201859_20181111T203323_C001		
CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T205502_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  The SWH and Ocean Averaging Status Flags have been set for one or more records.  The loe Backscatter Averaging Status  The loe Backscatter Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_201811111T203804_20181111T203948_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IORM_2_201811117205727_201811117210247_C001   Ice Backscatter Averaging Status   The Ice Backscatter   The	CS_OFFL_SIR_IOPM_2_20181111T203951_20181111T205502_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	CS_OFFL_SIR_IOPM_2_20181111T205727_20181111T210247_C001		
CS_OFFL_SIR_IOPM_2_20181111T211355_20181111T212623_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20181111T212835_20181111T214635_C001  SWH Averaging Status, Ocean  The SWH and Ocean Averaging Status Flags have been set for one or		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status more records.		Backscatter Averaging Status	more records.

CS_OFFL_SIR_IOPM_2_20181111T220754_20181111T221725_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_20181111T221927_20181111T223400_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_20181111T223652_20181111T224148_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181111T224204_20181111T224215_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181111T224222_20181111T224338_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181111T224950_20181111T225150_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_20181111T232210_20181111T232339_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_20181111T011212_20181111T011218_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181111T034324_20181111T034349_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_20181111T051414_20181111T051424_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_20181111T120123_20181111T120326_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_20181111T083320_20181111T083407_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_20181111T084456_20181111T084529_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_20181111T182904_20181111T183118_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:

58

### 6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

## 6.4 P2P Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767). 0

Number of products with errors:

#### 6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

## 6.6 P2P Range Measurement Check

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220181111T002234_20181111T011213_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_220181111T011213_20181111T020147_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T020147_20181111T025126_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_220181111T025126_20181111T034101_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T034101_20181111T043040_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_220181111T043040_20181111T052014_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_220181111T052014_20181111T060953_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_220181111T060953_20181111T065928_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_220181111T065928_20181111T074907_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_220181111T074907_20181111T083841_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_201811111T083841_20181111T092820_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOP_220181111T092820_20181111T101755_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_220181111T101755_20181111T110734_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T110734_20181111T115708_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_220181111T115708_20181111T124647_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_220181111T124647_20181111T133622_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_220181111T133622_20181111T142601_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T142601_20181111T151536_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_220181111T151536_20181111T160515_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T160515_20181111T165449_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_220181111T165449_20181111T174428_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_220181111T174428_20181111T183403_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_220181111T183403_20181111T192342_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T192342_20181111T201316_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_220181111T201316_20181111T210255_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_220181111T210255_20181111T215230_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T215230_20181111T224209_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_220181111T224209_20181111T233143_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.

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

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

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

Number of products with errors: 28

Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20181111T002234_20181111T011213_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220181111T011213_20181111T020147_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2201811111T020147_20181111T025126_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220181111T025126_20181111T034101_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220181111T034101_20181111T043040_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2201811111T043040_20181111T052014_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220181111T052014_20181111T060953_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2201811111T060953_20181111T065928_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2201811111T065928_20181111T074907_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220181111T074907_20181111T083841_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2201811111T083841_20181111T092820_C001	Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2201811111T092820_20181111T101755_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220181111T101755_20181111T110734_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181111T110734_20181111T115708_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220181111T115708_20181111T124647_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220181111T124647_20181111T133622_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220181111T133622_20181111T142601_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220181111T142601_20181111T151536_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

CS_OFFL_SIR_IOP_2_20181111T151536_20181111T160515_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220181111T160515_20181111T165449_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181111T165449_20181111T174428_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181111T174428_20181111T183403_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181111T183403_20181111T192342_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181111T192342_20181111T201316_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181111T201316_20181111T210255_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181111T210255_20181111T215230_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181111T215230_20181111T224209_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181111T224209_20181111T233143_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.

## 6.8 P2P Ocean Retracking Quality Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220181111T002234_20181111T011213_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T011213_20181111T020147_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T020147_20181111T025126_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T034101_20181111T043040_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T043040_20181111T052014_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T052014_20181111T060953_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T060953_20181111T065928_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T065928_20181111T074907_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T074907_20181111T083841_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T083841_20181111T092820_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T092820_20181111T101755_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T101755_20181111T110734_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T110734_20181111T115708_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T115708_20181111T124647_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T124647_20181111T133622_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T133622_20181111T142601_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T142601_20181111T151536_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T151536_20181111T160515_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T160515_20181111T165449_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T165449_20181111T174428_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T174428_20181111T183403_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T183403_20181111T192342_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T192342_20181111T201316_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T201316_20181111T210255_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T210255_20181111T215230_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T215230_20181111T224209_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181111T224209_20181111T233143_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.