



### 1. Overview

Report Production:	07-Jan-2019			
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

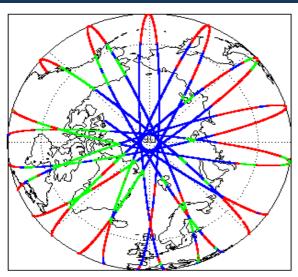
#### Mission / Instrument News

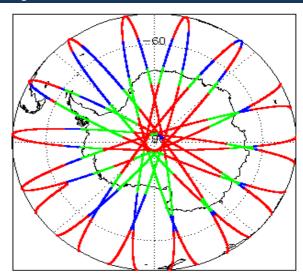
22-Dec-2018	SIRAL unavailability on 22-Dec-2018 from 21:02:22 to 00:28:10 on 23-Dec-2018 due to a planned orbit manoeuvre.

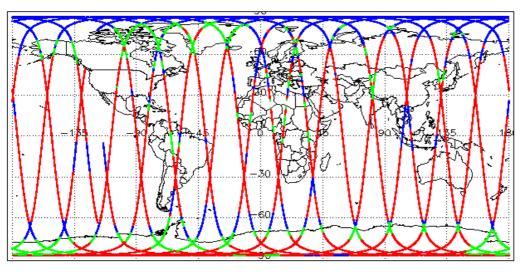
23-Dec-2018 SIRAL unavailability on 22-Dec-2018 from 21:02:22 to 00:28:10 on 23-Dec-2018 due to a planned orbit manoeuvre.

24-Dec-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:

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#### 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:

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#### 4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

16

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20181223T120309_20181223T123238_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20181223T170215_20181223T172146_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181223T030320_20181223T030440_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181223T092825_20181223T093038_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181223T142102_20181223T142141_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181223T143123_20181223T143248_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181223T173652_20181223T173932_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181223T183459_20181223T183645_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181223T205708_20181223T205917_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181223T215219_20181223T215555_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20181223T233330_20181223T233512_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181223T034310_20181223T034637_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181223T055917_20181223T055958_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181223T082307_20181223T082746_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181223T092218_20181223T092340_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20181223T132651_20181223T133023_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_20181223T174834_20181223T174843_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:

0

### 5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

0

## 5.5 L2 Measurement Confidence Data Check

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

### 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

Description
CS_OFFL_SIR_IOPM_2_20181223T0420_20181223T014097_C001  CS_OFFL_SIR_IOPM_2_20181223T01420_20181223T014097_C001  CS_OFFL_SIR_IOPM_2_20181223T01420_20181223T016155_C001  CS_OFFL_SIR_IOPM_2_20181223T02550_20181223T02615_C001  CS_OFFL_SIR_IOPM_2_20181223T025702753_20181223T02615_C001  CS_OFFL_SIR_IOPM_2_20181223T02555_20181223T02659_C001  CS_OFFL_SIR_IOPM_2_20181223T02555_20181223T02659_C001  CS_OFFL_SIR_IOPM_2_20181223T02555_20181223T02659_C001  CS_OFFL_SIR_IOPM_2_20181223T02555_20181223T02659_C001  CS_OFFL_SIR_IOPM_2_20181223T02555_20181223T02659_C001  CS_OFFL_SIR_IOPM_2_20181223T02555_20181223T02659_C001  CS_OFFL_SIR_IOPM_2_20181223T02555_20181223T02659_C001  CS_OFFL_SIR_IOPM_2_20181223T02555_20181223T02659_C001  CS_OFFL_SIR_IOPM_2_20181223T02555_20181223T040818_C001  CS_OFFL_SIR_IOPM_2_20181223T03555_20181223T040818_C001  CS_OFFL_SIR_IOPM_2_20181223T040818_C001  CS_OFFL_SIR_IOPM_2_20181223T04555_C001  CS_OFFL_SIR_IOPM_2_20181223T04559_20181223T04555_C001  CS_OFFL_SIR_IOPM_2_20181223T04559_20181223T04555_C001  CS_OFFL_SIR_IOPM_2_20181223T04559_20181223T04555_C001  CS_OFFL_SIR_IOPM_2_20181223T04559_20181223T04555_C001  CS_OFFL_SIR_IOPM_2_20181223T04559_20181223T04555_C001  CS_OFFL_SIR_IOPM_2_20181223T04559_20181223T04555_C001  CS_OFFL_SIR_IOPM_2_20181223T04559_20181223T04555_C001  CS_OFFL_SIR_IOPM_2_20181223T04559_20181223T05699_C001  CS_OFFL_SIR_IOPM_2_20181223T04559_20181223T05699_C001  CS_OFFL_SIR_IOPM_2_20181223T05699_20181223T05699_C001  CS_OFFL_SIR_IOPM_2_20181223T0569
Co. OFFL_SIR_IOPM_2_20181223T01420_20181223T014047_C001  Coean Range Averaging Status  Coean Range Averaging Status Flag has been set for one or more conductive for the coent Range Averaging Status Flag has been set for one or more coents. Flag Richell 20181223T005405_20181223T06405_001  Coean Range Averaging Status  Coean Range Averaging Status  Coean Range Averaging Status Flag has been set for one or more coefficient for the coents. Flag Richell 20181223T065405_20181223T06405_001  Coean Range Averaging Status  Coean Range Averaging Status  Coean Range Averaging Status Flag has been set for one or more coefficient for the coefficient fo
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CS_OFFL_SIR_IOPM_2_20181223T045207_20181223T04642_C001  CS_OFFL_SIR_IOPM_2_20181223T0452303_20181223T05462_C001  CS_OFFL_SIR_IOPM_2_20181223T05462_D0181223T05462_C001  CS_OFFL_SIR_IOPM_2_20181223T05462_D0181223T05462_C001  CS_OFFL_SIR_IOPM_2_20181223T05462_D0181223T05462_C001  CS_OFFL_SIR_IOPM_2_20181223T05462_D0181223T054081_C001  CS_OFFL_SIR_IOPM_2_20181223T05462_D0181223T054081_C001  CS_OFFL_SIR_IOPM_2_20181223T054082_D0181223T054081_C001  CS_OFFL_SIR_IOPM_2_20181223T054082_D0181223T054081_C001  CS_OFFL_SIR_IOPM_2_20181223T054081_D0181223T054081_C001  CS_OFFL_SIR_IOPM_2_20181223T054081_D0181223T054081_C001  CS_OFFL_SIR_IOPM_2_20181223T054081_D0181223T054081_C001  CS_OFFL_SIR_IOPM_2_20181223T054081_D0181223T0540855_C001  CS_OFFL_SIR_IOPM_2_20181223T054091_D0181223T056082_C001  CS_OFFL_SIR_IOPM_2_20181223T05609_20181223T056082_C001  CS_OFFL_SIR_IOPM_2_20181223T05609_20181223T056082_C001  CS_OFFL_SIR_IOPM_2_20181223T05609_20181223T056092_C001  CS_OFFL_SIR_IOPM_2_20181223T05609_20181223T056092_C001  CS_OFFL_SIR_IOPM_2_20181223T05609_20181223T056093_C001  CS_OFFL_SIR_IOPM_2_20181223T0570912_D0181223T056094_C001  CS_OFFL_SIR_IOPM_2_20181223T0570912_D0181223T056094_C001  CS_OFFL_SIR_IOPM_2_20181223T0570912_D0181223T06094_C001  CS_OFFL_SIR_IOPM_2_20181223T0570912_D0181223T06094_C001  CS_OFFL_SIR_IOPM_2_20181223T0570912_D0181223T06094_C001  CS_OFFL_SIR_IOPM_2_20181223T0570912_D0181223T06094_C001  CS_OFFL_SIR_IOPM_2_20181223T0570912_D0181223T060950_C001  CS_OFFL_SIR_IOPM_2_20181223T0570912_D0181223T060950_C001  CS_OFFL_SIR_IOPM_2_20181223T0570912_D0181223T060950_C001  CS_OFFL_SIR_IOPM_2_20181223T05912_D0181223T060950_C001  CS_OFFL_SIR_IOPM_2_20181223T05912_D0181223T060950_C001  CS_OFFL_SIR_IOPM_2_20181223T05912_D0181223T060950_C001  CS_OFFL_SIR_IOPM_2_20181223T05912_D0181223T060950_C001  CS_OFFL_SIR_IOPM_2_20181223T05912_D0181223T060950_C001  CS_OFFL_SIR_IOPM_2_20181223T05912_D0181223T060950_C001  CS_OFFL_SIR_IOPM_2_20181223T05912_D0181223T060950_C001  CS_OFFL_SIR_IOPM_2_20181223T050950_C001  CS_OFFL_SIR_IOPM_2_201812
CS_OFFL_SIR_IOPM_2_20181223T025353_20181223T04025_C001  Cs_OFFL_SIR_IOPM_2_20181223T025353_20181223T04015_C001  Cs_OFFL_SIR_IOPM_2_20181223T04573_C0018223T04007_C001  Cs_OFFL_SIR_IOPM_2_20181223T04573_C0018223T04015_C001  Cs_OFFL_SIR_IOPM_2_20181223T0457_C001823T04015_C001  Cs_OFFL_SIR_IOPM_2_20181223T04573_C0018223T04015_C001  Cs_OFFL_SIR_IOPM_2_20181223T04573_C0018223T04015_C001  Cs_OFFL_SIR_IOPM_2_20181223T04573_C0018223T04015_C001  Cs_OFFL_SIR_IOPM_2_20181223T04573_C0018223T04574_C001  Cs_OFFL_SIR_IOPM_2_20181223T04505_C001823T045714_C001  Cs_OFFL_SIR_IOPM_2_20181223T04505_C001823T04505_C001  Cs_OFFL_SIR_IOPM_2_20181223T04505_C001823T045714_C001  Cs_OFFL_SIR_IOPM_2_20181223T04505_C001823T04505_C001  Cs_OFFL_SIR_IOPM_2_20181223T04505_C001823T04505_C001  Cs_OFFL_SIR_IOPM_2_20181223T04505_C001823T04505_C001  Cs_OFFL_SIR_IOPM_2_20181223T04505_C001823T04505_C001  Cs_OFFL_SIR_IOPM_2_20181223T04505_C001823T04505_C001  Cs_OFFL_SIR_IOPM_2_20181223T04505_C001823T04505_C001  Cs_OFFL_SIR_IOPM_2_20181223T04505_C001823T04505_C001  Cs_OFFL_SIR_IOPM_2_20181223T04505_C001823T04505_C001  Cs_OFFL_SIR_IOPM_2_20181223T04505_C001823T04505_C001  Cs_OFFL_SIR_IOPM_2_20181223T04405_C001823T04505_C001  Cs_OFFL_SIR_IOPM_2_20181223T0505_C001823T04505_C001  Cs_OFFL_SIR_IOPM_2_20181223T0505_C001823T04505_C001  Cs_OFFL_SIR_IOPM_2_20181223T0505_C001823T04505_C001  Cs_OFFL_SIR_IOPM_2_20181223T050445_C0018223T06404_C001  Cs_OFFL_SIR_IOPM_2_20181223T06445_C0018223T06404_C001  Ccann Range Averaging Status  Cs_OFFL_SIR_IOPM_2_20181223T06445_C0018223T06405_C00
CS_OFFL_SIR_IOPM_2_20181223704583_2018122370407_C001  Cs_OFFL_SIR_IOPM_2_201812237034582_201812237034007_C001  Cs_OFFL_SIR_IOPM_2_201812237034582_201812237040818_C001  Cs_OFFL_SIR_IOPM_2_201812237046872_201812237040818_C001  Cs_OFFL_SIR_IOPM_2_201812237046872_201812237040818_C001  Cs_OFFL_SIR_IOPM_2_201812237045872_201812237040818_C001  Cs_OFFL_SIR_IOPM_2_201812237045832_201812237040818_C001  Cs_OFFL_SIR_IOPM_2_201812237045832_201812237040818_C001  Cs_OFFL_SIR_IOPM_2_201812237045832_201812237040818_C001  Cs_OFFL_SIR_IOPM_2_201812237045832_201812237045757_C001  Cs_OFFL_SIR_IOPM_2_201812237045831_201812237045757_C001  Cs_OFFL_SIR_IOPM_2_201812237045831_201812237045714_C001  Cs_OFFL_SIR_IOPM_2_201812237045801_201812237045714_C001  Cs_OFFL_SIR_IOPM_2_201812237045801_20181223705982_C001  Cs_OFFL_SIR_IOPM_2_201812237045801_201812237059817_C001  Cs_OFFL_SIR_IOPM_2_201812237045801_201812237059817_C001  Cs_OFFL_SIR_IOPM_2_201812237045801_201812237059817_C001  Cs_OFFL_SIR_IOPM_2_201812237045801_201812237059817_C001  Cs_OFFL_SIR_IOPM_2_201812237059012_201812237059817_C001  Cs_OFFL_SIR_IOPM_2_20181223705912_201812237059818_C001  Cs_OFFL_SIR_IOPM_2_20181223705912_201812237058844_C001  Cs_OFFL_SIR_IOPM_2_20181223705152_201812237058844_C001  Cs_OFFL_SIR_IOPM_2_20181223705151_201812237058844_C001  Cs_OFFL_SIR_IOPM_2_20181223705912_201812237058844_C001  Cs_OFFL_SIR_IOPM_2_20181223705912_201812237058844_C001  Cs_OFFL_SIR_IOPM_2_20181223705912_201812237058984_C001  Cs_OFFL_SIR_IOPM_2_20181223705914_201812237058984_C001  Cs_OFFL_SIR_IOPM_2_201812237064642_201812237068984_C001  Cs_OFFL_SIR_IOPM_2_201812237064642_201812237068984_C001  Cs_OFFL_SIR_IOPM_2_201812237064601_201812237068984_C001  Cs_OFFL_SIR_IOPM_2_201812237064601_201812237068984_C001  Cs_OFFL_SIR_IOPM_2_201812237064601_201812237068984_C001  Cs_OFFL_SIR_IOPM_2_201812237064601_201812237068984_C001  Cs_OFFL_SIR_IOPM_2_201812237064601_201812237068984_C001  Cs_OFFL_SIR_IOPM_2_201812237064601_201812237068984_C001  Cs_OFFL_SIR_IOPM_2_201812237064601_201812237104886_C001  Cs_OFF
CS_OFFL_SIR_IOPM_2_20181223T051548_20181223T052501_CO01  Cs_OFFL_SIR_IOPM_2_20181223T054067_20181223T054007_CO01  Locan Range Averaging Status  The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstruction. The Cocan Range Averaging Status Flag has been set for one or more neconstru
CS_OFFL_SIR_IOPM_2_20181223T03454S_20181223T044007_C001  Lee Range Averaging Status  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.  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_20181223T045153_20181223T04555_C001  Ocean Range Averaging Status  CS_OFFL_SIR_IOPM_2_20181223T04519_20181223T05929_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.  Ocean Range Averaging Status  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  Ocean Range Averaging Status  The Ocean Range Aver
CS_OFFL_SIR_IOPM_2_20181223T0435359_20181223T042816_C001  CS_OFFL_SIR_IOPM_2_20181223T043153_20181223T04291_C001  CS_OFFL_SIR_IOPM_2_20181223T043153_20181223T043257_C001  CS_OFFL_SIR_IOPM_2_20181223T04351_20181223T043257_C001  CS_OFFL_SIR_IOPM_2_20181223T04351_20181223T043257_C001  CS_OFFL_SIR_IOPM_2_20181223T04351_20181223T043555_C001  CS_OFFL_SIR_IOPM_2_20181223T04351_20181223T043555_C001  CS_OFFL_SIR_IOPM_2_20181223T04510_20181223T045714_C001  CS_OFFL_SIR_IOPM_2_20181223T04510_20181223T045714_C001  CS_OFFL_SIR_IOPM_2_20181223T04590_20181223T05992_C001  CS_OFFL_SIR_IOPM_2_20181223T05901_20181223T05992_C001  CS_OFFL_SIR_IOPM_2_20181223T05901_20181223T05992_C001  CS_OFFL_SIR_IOPM_2_20181223T05901_20181223T05991_C001  CS_OFFL_SIR_IOPM_2_20181223T05901_20181223T05991_C001  CS_OFFL_SIR_IOPM_2_20181223T061501_20181223T05991_C001  CS_OFFL_SIR_IOPM_2_20181223T079513_20181223T079319_C001  CS_OFFL_SIR_IOPM_2_20181223T079513_20181223T079391_C001  CS_OFFL_SIR_IOPM_2_20181223T079513_20181223T079591_C001  CS_OFFL_SIR_IOPM_2_20181223T079513_20181223T079594_C001  CS_OFFL_SIR_IOPM_2_20181223T079515_20181223T079594_C001  CS_OFFL_SIR_IOPM_2_20181223T082746_20181223T098594_C001  CS_OFFL_SIR_IOPM_2_20181223T0879516_20181223T098594_C001  CS_OFFL_SIR_IOPM_2_20181223T0879542_20181223T098594_C001  CS_OFFL_SIR_IOPM_2_20181223T099461_20181223T099594_C001  CS_OFFL_SIR_IOPM_2_20181223T099461_20181223T099594_C001  CS_OFFL_SIR_IOPM_2_20181223T099461_20181223T099594_C001  CS_OFFL_SIR_IOPM_2_20181223T10245_20181223T109500_C001  CS_OFFL_SIR_IOPM_2_20181223T10245_20181223T109500_C001  CS_OFFL_SIR_IOPM_2_20181223T10245_20181223T109500_C001  CS_OFFL_SIR_IOPM_2_20181223T10245_20181223T109500_C001  CS_OFFL_SIR_IOPM_2_20181223T10245_20181223T109500_C001  CS_OFFL_SIR_IOPM_2_20181223T10245_20181223T109500_C001  CS_OFFL_SIR_IOPM_2_20181223T10245_20181223T109500_C001  CS_OFFL_SIR_IOPM_2_20181223T10245_20181223T109500_C001  CS_OFFL_SIR_IOPM_2_20181223T1094500_20181223T109500_C001  CS_OFFL_SIR_IOPM_2_20181223T1094500_20181223T109500_C001  CS_OFFL_SIR_IOP
CS_OFFL_SIR_IOPM_2_201812231049612_201812231042014_C001  CS_OFFL_SIR_IOPM_2_20181223104103_201812231042014_C001  CS_OFFL_SIR_IOPM_2_20181223104355_201812231045714_C001  CS_OFFL_SIR_IOPM_2_20181223104355_201812231045714_C001  CS_OFFL_SIR_IOPM_2_201812231045704_C001  CS_OFFL_SIR_IOPM_2_201812231045901_201812231045714_C001  CS_OFFL_SIR_IOPM_2_201812231045901_201812231045714_C001  CS_OFFL_SIR_IOPM_2_201812231045901_201812231045714_C001  CS_OFFL_SIR_IOPM_2_201812231055901_20181223105992_C001  CS_OFFL_SIR_IOPM_2_201812231055901_20181223105992_C001  CS_OFFL_SIR_IOPM_2_201812231055901_20181223105991_C001  CS_OFFL_SIR_IOPM_2_201812231055901_20181223105991_C001  CS_OFFL_SIR_IOPM_2_20181223105901_20181223105991_C001  CS_OFFL_SIR_IOPM_2_20181223105901_20181223105991_C001  CS_OFFL_SIR_IOPM_2_20181223105901_20181223105991_C001  CS_OFFL_SIR_IOPM_2_20181223105901_20181223105901_C001  CS_OFFL_SIR_IOPM_2_20181223105901_20181223105901_C001  CS_OFFL_SIR_IOPM_2_20181223105901_20181223105901_C001  CS_OFFL_SIR_IOPM_2_20181223105516_201812231055901_C001  CS_OFFL_SIR_IOPM_2_20181223105516_201812231055901_C001  CS_OFFL_SIR_IOPM_2_20181223105516_201812231055901_C001  CS_OFFL_SIR_IOPM_2_20181223105516_201812231055901_C001  CS_OFFL_SIR_IOPM_2_20181223105516_201812231055901_C001  CS_OFFL_SIR_IOPM_2_20181223105516_201812231059001_C001  CS_OFFL_SIR_IOPM_2_201812231050044_201812231059001_C001  CS_OFFL_SIR_IOPM_2_201812231050044_201812231009307_C001  CS_OFFL_SIR_IOPM_2_201812231050502_C018122311059001_C001  CS_OFFL_SIR_IOPM_2_2018122311050502_C0181223110590004_C001  CS_OFFL_SIR_IOPM_2_2018122311050502_C018122311059000_C001  CS_OFFL_SIR_IOPM_2_2018122311050502_C018122311105050_C001  CS_OFFL_SIR_IOPM_2_2018122311050502_C018122311105050_C001  CS_OFFL_SIR_IOPM_2_2018122311050502_C018122311105050_C001  CS_OFFL_SIR_IOPM_2_2018122311050502_C018122311105050_C001  CS_OFFL_SIR_IOPM_2_2018122311050502_C018122311105050_C001  CS_OFFL_SIR_IOPM_2_2018122311050502_C018122311105050_C001  CS_OFFL_SIR_IOPM_2_2018122311050502_C018122311105050_C001  CS_OFFL_SIR_IOP
CS_OFFL_SIR_IOPM_2_20181223T043152_30181223T04355_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T043351_20181223T043555_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T043351_20181223T043555_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T045109_20181223T045714_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T045019_20181223T059329_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T045901_20181223T059329_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T05932_C0181223T059319_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T005032_0181223T064644_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T070019_20181223T070319_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T070019_20181223T070313_C001  Ccs_OFFL_SIR_IOPM_2_20181223T070513_20181223T070338_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T07513_20181223T075354_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T07512_20181223T075516_C0181223T075516_C0181223T07513_C0181223T075516_C0181223T075516_C0181223T084244_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T075516_20181223T084244_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T084445_20181223T084244_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T084445_20181223T084244_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T084445_20181223T084244_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T084445_20181223T084244_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T084445_20181223T084244_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T084445_20181223T084244_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T084445_20181223T084244_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T084445_20181223T08594_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T084445_20181223T08594_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T0893752_20181223T084590_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T0893752_20181223T108236_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T0809044_20181223T108256_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T108452_0181223T108186_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T108452_0181223T108186_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T108452_0181223T108186_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T108452_0181223T108186_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T108452_0181223T108186_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T108452_0181223T108186_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T108452_0181223T108186_CO01  Ccs_OFFL_SIR_IOPM_2_20181223T111590_C0181223T116818_CO01  Ccs_OFF
CS_OFFL_SIR_IOPM_2_20181223T045019_20181223T05959_CO01  Ocean 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_20181223T045901_20181223T05929_CO01  Ocean Range Averaging Status  The Coean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20181223T05903_20181223T05929_CO01  Ocean 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.  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.  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.  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.  The Coean Range Averaging Status Flag has been set f
Coean Range Averaging Status  CS_OFFL_SIR_JOPM_2_20181223T04509_20181223T050929_C001  CS_OFFL_SIR_JOPM_2_20181223T050929_C001  CS_OFFL_SIR_JOPM_2_20181223T050929_C001  CS_OFFL_SIR_JOPM_2_20181223T050929_C001  CS_OFFL_SIR_JOPM_2_20181223T050929_C001  CS_OFFL_SIR_JOPM_2_20181223T050939_C001  CS_OFFL_SIR_JOPM_2_20181223T050939_C001  CS_OFFL_SIR_JOPM_2_20181223T050939_C001  CS_OFFL_SIR_JOPM_2_20181223T061501_20181223T064644_C001  CS_OFFL_SIR_JOPM_2_20181223T070319_C001  CS_OFFL_SIR_JOPM_2_20181223T081240  CS_OFFL_SIR_JOPM_2_20181223T081240  CS_OFFL_SIR_JOPM_2_20181223T081240  CS_OFFL_SIR_JOPM_2_20181223T081240  CS_OFFL_SIR_JOPM_2_20181223T084445_C0181223T082444  CS_OFFL_SIR_JOPM_2_20181223T084445_C0181223T08294  CS_OFFL_SIR_JOPM_2_20181223T084445_C0181223T089034_C001  CS_OFFL_SIR_JOPM_2_20181223T084445_C0181223T089034_C001  CS_OFFL_SIR_JOPM_2_20181223T090044_20181223T1090327_C001  CS_OFFL_SIR_JOPM_2_20181223T102352_20181223T109350_C001  CS_OFFL_SIR_JOPM_2_20181223T102352_20181223T104866_C001  CS_OFFL_SIR_JOPM_2_20181223T110455_20181223T104866_C001  CS_OFFL_SIR_JOPM_2_20181223T110455_20181223T110486_C001  CS_OFFL_SIR_JOPM_2_20181223T110455_20181223T114886_C001  CS_OFFL_SIR_JOPM_2_20181223T115009_20181223T114886_C001  CS_OFFL_SIR_JOPM_2_20181223T115009_20181223T114886_C001  CS_OFFL_SIR_JOPM_2_20181223T115009_20181223T114886_C001  CS_OFFL_SIR_JOPM_2_20181223T115009_20181223T114886_C001  CS_OFFL_SIR_JOPM_2_20181223T115009_20181223T114886_C001  CS_OFFL_SIR_JOPM_2_20181223T115009_20181223T114886_C001  CS_OFFL_SIR_JOPM_2_20181223T115009_20
CS_OFFL_SIR_IOPM_2_20181223T04591_20181223T05992_C001  CS_OFFL_SIR_IOPM_2_20181223T052603_20181223T059917_C001  CS_OFFL_SIR_IOPM_2_20181223T052603_20181223T059917_C001  CS_OFFL_SIR_IOPM_2_20181223T061501_20181223T064644_C001  CS_OFFL_SIR_IOPM_2_20181223T061501_20181223T064644_C001  CS_OFFL_SIR_IOPM_2_20181223T070019_20181223T070319_C001  CS_OFFL_SIR_IOPM_2_20181223T070019_20181223T070319_C001  CS_OFFL_SIR_IOPM_2_20181223T070513_20181223T070338_C001  CS_OFFL_SIR_IOPM_2_20181223T075012_20181223T0755254_C001  CS_OFFL_SIR_IOPM_2_20181223T075012_20181223T075554_C001  CS_OFFL_SIR_IOPM_2_20181223T075012_20181223T082844_2001  CS_OFFL_SIR_IOPM_2_20181223T082746_20181223T082844_2001  CS_OFFL_SIR_IOPM_2_20181223T08445_20181223T082844_2001  CS_OFFL_SIR_IOPM_2_20181223T08445_20181223T089042_0001  CS_OFFL_SIR_IOPM_2_20181223T09044_20181223T090037_C001  CS_OFFL_SIR_IOPM_2_20181223T094610_20181223T10950_C001  CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T10950_C001  CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T10950_C001  CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T104836_C001  CS_OFFL_SIR_IOPM_2_20181223T1101245_20181223T1104836_C001  CS_OFFL_SIR_IOPM_2_20181223T1101245_20181223T110918223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM
CS_OFFL_SIR_IOPM_2_20181223T06503_20181223T064644_C001  Cean 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.  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.  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.  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.  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.  The Coean Range Averaging Status Fla
CS_OFFL_SIR_IOPM_2_20181223T0051501_20181223T0064644_C001  CS_OFFL_SIR_IOPM_2_20181223T0070319_C0011  CS_OFFL_SIR_IOPM_2_20181223T0700319_C00139_C0011  CS_OFFL_SIR_IOPM_2_20181223T0700319_C0011  CS_OFFL_SIR_IOPM_2_20181223T0700319_C0181223T070339_C001  CS_OFFL_SIR_IOPM_2_20181223T075012_20181223T075254_C0011  CS_OFFL_SIR_IOPM_2_20181223T075012_20181223T08129_C0011  CS_OFFL_SIR_IOPM_2_20181223T05516_20181223T08129_C0011  CS_OFFL_SIR_IOPM_2_20181223T082746_20181223T082844_C001  CS_OFFL_SIR_IOPM_2_20181223T082746_20181223T082844_C001  CS_OFFL_SIR_IOPM_2_20181223T082752_20181223T084219_C0011  CS_OFFL_SIR_IOPM_2_20181223T08445_20181223T089904_C0011  CS_OFFL_SIR_IOPM_2_20181223T08445_20181223T089904_C0011  CS_OFFL_SIR_IOPM_2_20181223T084445_20181223T089904_C0011  CS_OFFL_SIR_IOPM_2_20181223T090044_20181223T090327_C0011  CS_OFFL_SIR_IOPM_2_20181223T090414610_20181223T10950_C0011  CS_OFFL_SIR_IOPM_2_20181223T0904510_20181223T10950_C0011  CS_OFFL_SIR_IOPM_2_20181223T10245_20181223T104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T10245_20181223T104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T11045_20181223T104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T11045_20181223T104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T11045_20181223T104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T11045_20181223T104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T11045_20181223T104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T11045_20181223T104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T11045_20181223T104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T11045_20181223T104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T11045_20181223T104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T11045_20181223T1104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T11045_20181223T1104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T11045_20181223T1104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T11045_20181223T1104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T11045_20181223T1104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T11045_20181223T1104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T11045_20181223T1104856_C0011  CS_OFFL_SIR_IOPM_2_20181223T11045_20181223T1104856_C0011  CS_OFFL_SIR
CS_OFFL_SIR_IOPM_2_20181223T070019_20181223T070319_C001  Ice Range Averaging Status  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.  CS_OFFL_SIR_IOPM_2_20181223T075012_20181223T075254_C001  Ice Range Averaging Status  Ice Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20181223T075516_20181223T08424_C001  CS_OFFL_SIR_IOPM_2_20181223T082746_20181223T08424_C001  CS_OFFL_SIR_IOPM_2_20181223T082746_20181223T084249_C001  CS_OFFL_SIR_IOPM_2_20181223T083752_20181223T084219_C001  Ice Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20181223T084445_20181223T084219_C001  Ice Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20181223T084445_20181223T084219_C001  CS_OFFL_SIR_IOPM_2_20181223T084445_20181223T084219_C001  CS_OFFL_SIR_IOPM_2_20181223T084445_20181223T085904_C001  CCEAN Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20181223T090044_20181223T090327_C001  CCEAN Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20181223T10245_20181223T102128_C001  Ice Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more 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
CS_OFFL_SIR_IOPM_2_20181223T070513_20181223T073338_C001  CS_OFFL_SIR_IOPM_2_20181223T075513_20181223T075254_C001  CS_OFFL_SIR_IOPM_2_20181223T075512_20181223T08121_C001  CS_OFFL_SIR_IOPM_2_20181223T075516_20181223T08121_C001  CS_OFFL_SIR_IOPM_2_20181223T082746_20181223T082844_C001  CS_OFFL_SIR_IOPM_2_20181223T082746_20181223T082844_C001  CS_OFFL_SIR_IOPM_2_20181223T082755_20181223T082844_C001  CS_OFFL_SIR_IOPM_2_20181223T082752_20181223T082844_C001  CS_OFFL_SIR_IOPM_2_20181223T082752_20181223T082904_C001  CS_OFFL_SIR_IOPM_2_20181223T084445_20181223T084219_C001  CS_OFFL_SIR_IOPM_2_20181223T084445_20181223T085904_C001  CS_OFFL_SIR_IOPM_2_20181223T09044_20181223T090327_C001  CS_OFFL_SIR_IOPM_2_20181223T09044_20181223T109950_C001  CS_OFFL_SIR_IOPM_2_20181223T10455_20181223T1002186_C001  CS_OFFL_SIR_IOPM_2_20181223T102352_20181223T104836_C001  CS_OFFL_SIR_IOPM_2_20181223T102352_20181223T104836_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T11500_20181223T114818_C001  CCEAR Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The loc 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 Ave
CS_OFFL_SIR_IOPM_2_20181223T075012_20181223T075254_C001  CS_OFFL_SIR_IOPM_2_20181223T075012_20181223T082554_C001  CS_OFFL_SIR_IOPM_2_20181223T075516_20181223T082844_C001  CS_OFFL_SIR_IOPM_2_20181223T082746_20181223T082844_C001  CS_OFFL_SIR_IOPM_2_20181223T083752_20181223T084219_C001  CS_OFFL_SIR_IOPM_2_20181223T08445_20181223T084219_C001  CS_OFFL_SIR_IOPM_2_20181223T084445_20181223T084219_C001  CS_OFFL_SIR_IOPM_2_20181223T084445_20181223T085904_C001  CS_OFFL_SIR_IOPM_2_20181223T090044_20181223T090327_C001  CS_OFFL_SIR_IOPM_2_20181223T090044_20181223T10950_C001  CS_OFFL_SIR_IOPM_2_20181223T094610_20181223T10950_C001  CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T102128_C001  CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T104566_C001  CS_OFFL_SIR_IOPM_2_20181223T10245_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T11247_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T11237112331_C001  CS_OFFL_SIR_IOPM_2_20181223T11237112331_C001  CS_OFFL_SIR_IOPM_2_20181223T11237112331_C001  CS_OFFL_SIR_IOPM_2_20181223T1123711237114818_C001  CC_OCAR 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
CS_OFFL_SIR_IOPM_2_20181223T075516_20181223T08244C001  CS_OFFL_SIR_IOPM_2_20181223T082746_20181223T082844_C001  CS_OFFL_SIR_IOPM_2_20181223T082746_20181223T082844_C001  CS_OFFL_SIR_IOPM_2_20181223T083752_20181223T0824219_C001  CS_OFFL_SIR_IOPM_2_20181223T083752_20181223T084219_C001  CS_OFFL_SIR_IOPM_2_20181223T084445_20181223T085904_C001  CS_OFFL_SIR_IOPM_2_20181223T084445_20181223T090327_C001  CS_OFFL_SIR_IOPM_2_20181223T090044_20181223T090327_C001  CS_OFFL_SIR_IOPM_2_20181223T090044_20181223T109050_C001  CS_OFFL_SIR_IOPM_2_20181223T094610_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T094610_20181223T102128_C001  CS_OFFL_SIR_IOPM_2_20181223T10245_20181223T102128_C001  CS_OFFL_SIR_IOPM_2_20181223T102352_20181223T104836_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114238_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114238_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114238_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114238_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114238_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114238_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114238_C001  CS_OFFL_SIR_IOPM_2_20181223T112049_20181223T114238_C001  CS_OFFL_SIR_IOPM_2_20181223T112049_20181223T114238_C001  CS_OFFL_SIR_IOPM_2_20181223T1120309_20181223T114238_C001  CS_OFFL_SIR_IOPM_2_20181223T1120309_20181223T114238_C001  CS_OFFL_SIR_IOPM_2_20181223T1120309_20181223T114238_C001  CS_OFFL_SIR_IOPM_2_20181223T1120309_20181223T114238_C001  CS_OFFL_SIR_IOPM_2_20181223T1120309_20181223T1142338_C001  CS_OFFL_SIR_IOPM_2_20181223T120309_20181223T1131116_C001  CS_OFFL_SIR_IOPM_2_20181223T120309_20181223T1131116_C001  CS_OFFL_SIR_IOPM_2_20181223T120309_20181223T1
CS_OFFL_SIR_IOPM_2_20181223T082746_20181223T082844_C001  CS_OFFL_SIR_IOPM_2_20181223T083752_20181223T084219_C001  CS_OFFL_SIR_IOPM_2_20181223T083752_20181223T084219_C001  CS_OFFL_SIR_IOPM_2_20181223T084445_20181223T085904_C001  CS_OFFL_SIR_IOPM_2_20181223T090044_20181223T085904_C001  CS_OFFL_SIR_IOPM_2_20181223T090044_20181223T090327_C001  CS_OFFL_SIR_IOPM_2_20181223T090044_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T101245_C001  CS_OFFL_SIR_IOPM_2_20181223T102352_20181223T104836_C001  CS_OFFL_SIR_IOPM_2_20181223T102352_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T115901_C001  CS_OFFL_SIR_IOPM_2_20181223T115500_20181223T115921_C001  CS_OFFL_SIR_IOPM_2_20181223T115500_20181223T115921_C001  CS_OFFL_SIR_IOPM_2_20181223T1120309_20181223T115921_C001  CS_OFFL_SIR_IOPM_2_20181223T1120309_20181223T115921_C001  CS_OFFL_SIR_IOPM_2_20181223T1120309_20181223T1123238_C001  CCEAN 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
CS_OFFL_SIR_IOPM_2_20181223T082445_20181223T084219_C001  CS_OFFL_SIR_IOPM_2_20181223T084445_20181223T085904_C001  CS_OFFL_SIR_IOPM_2_20181223T084445_20181223T090327_C001  CS_OFFL_SIR_IOPM_2_20181223T090044_20181223T090327_C001  CS_OFFL_SIR_IOPM_2_20181223T090044_20181223T00950_C001  CS_OFFL_SIR_IOPM_2_20181223T094610_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T1014836_C001  Coean Range Averaging Status  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  Coean 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 ha
CS_OFFL_SIR_IOPM_2_20181223T084445_20181223T085904_C001  CS_OFFL_SIR_IOPM_2_20181223T090044_20181223T090327_C001  CS_OFFL_SIR_IOPM_2_20181223T090044_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T1100950_C001  CS_OFFL_SIR_IOPM_2_20181223T1100950_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T115500_20181223T115921_C001  CS_OFFL_SIR_IOPM_2_20181223T115500_20181223T115921_C001  CS_OFFL_SIR_IOPM_2_20181223T1120309_20181223T115921_C001  CC_OCAN_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 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 ha
CS_OFFL_SIR_IOPM_2_20181223T084445_20181223T090327_C001  CS_OFFL_SIR_IOPM_2_20181223T090044_20181223T090327_C001  CS_OFFL_SIR_IOPM_2_20181223T094610_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T102128_C001  CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T102128_C001  CS_OFFL_SIR_IOPM_2_20181223T102352_20181223T104836_C001  CS_OFFL_SIR_IOPM_2_20181223T102352_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T115500_20181223T115921_C001  CS_OFFL_SIR_IOPM_2_20181223T115500_20181223T1123238_C001  CS_OFFL_SIR_IOPM_2_20181223T120309_20181223T123238_C001  CS_OFFL_SIR_IOPM_2_20181223T120309_20181223T131116_C001  CS_OFFL_SIR_IOPM_2_20181223T120309_20181223T131116_C001  CS_OFFL_SIR_IOPM_2_20181223T125612_20181223T131116_C001  CS_OFFL_SIR_IOPM_2_20181223T125612_20181223T131116_C001  CCEAN Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The loce 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_20181223T090044_20181223T100950_C001  Cs_OFFL_SIR_IOPM_2_20181223T094610_20181223T100950_C001  Cs_OFFL_SIR_IOPM_2_20181223T101245_20181223T102128_C001  Cs_OFFL_SIR_IOPM_2_20181223T101245_20181223T102128_C001  Cs_OFFL_SIR_IOPM_2_20181223T102352_20181223T104836_C001  Cs_OFFL_SIR_IOPM_2_20181223T102352_20181223T114818_C001  Cs_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  Cs_OFFL_SIR_IOPM_2_20181223T115500_20181223T114818_C001  Cs_OFFL_SIR_IOPM_2_20181223T115500_20181223T115921_C001  Cs_OFFL_SIR_IOPM_2_20181223T1120309_20181223T1123238_C001  Cs_OFFL_SIR_IOPM_2_20181223T120309_20181223T131116_C001  Cs_OFFL_SIR_IOPM_2_20181223T120309_20181223T131116_C001  Cs_OFFL_SIR_IOPM_2_20181223T125612_20181223T131116_C001  Ccean 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 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_20181223T10245_20181223T100950_C001  CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T102128_C001  CS_OFFL_SIR_IOPM_2_20181223T102352_20181223T104836_C001  CS_OFFL_SIR_IOPM_2_20181223T102352_20181223T104836_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T115500_20181223T115921_C001  CS_OFFL_SIR_IOPM_2_20181223T1120309_20181223T1123238_C001  CS_OFFL_SIR_IOPM_2_20181223T120309_20181223T123238_C001  CS_OFFL_SIR_IOPM_2_20181223T120309_20181223T131116_C001  CS_OFFL_SIR_IOPM_2_20181223T125612_20181223T131116_C001  CS_OFFL_SIR_IOPM_2_20181223T125612_20181223T131116_C001  CS_OFFL_SIR_IOPM_2_20181223T125612_20181223T131116_C001  CCS_OFFL_SIR_IOPM_2_20181223T125612_20181223T131116_C001
CS_OFFL_SIR_IOPM_2_20181223T101245_20181223T102128_C001  Ice Range Averaging Status  Cs_OFFL_SIR_IOPM_2_20181223T102352_20181223T104836_C001  Ocean Range Averaging Status  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.  Cs_OFFL_SIR_IOPM_2_20181223T11500_20181223T115921_C001  Cs_OFFL_SIR_IOPM_2_20181223T11500_20181223T115921_C001  Cs_OFFL_SIR_IOPM_2_20181223T120309_20181223T123238_C001  Ocean 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 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_20181223T102352_20181223T104836_C001  CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T115500_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T115500_20181223T115921_C001  CS_OFFL_SIR_IOPM_2_20181223T120309_20181223T1123238_C001  CS_OFFL_SIR_IOPM_2_20181223T120309_20181223T123238_C001  CS_OFFL_SIR_IOPM_2_20181223T120309_20181223T131116_C001  CS_OFFL_SIR_IOPM_2_20181223T125612_20181223T131116_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.
CS_OFFL_SIR_IOPM_2_20181223T112047_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T115500_20181223T114818_C001  CS_OFFL_SIR_IOPM_2_20181223T115500_20181223T115921_C001  CS_OFFL_SIR_IOPM_2_20181223T120309_20181223T123238_C001  CS_OFFL_SIR_IOPM_2_20181223T120309_20181223T123238_C001  CS_OFFL_SIR_IOPM_2_20181223T125612_20181223T131116_C001  CS_OFFL_SIR_IOPM_2_20181223T125612_20181223T131116_C001  CS_OFFL_SIR_IOPM_2_20181223T125612_20181223T131116_C001  CS_OFFL_SIR_IOPM_2_20181223T125612_20181223T131116_C001  CS_OFFL_SIR_IOPM_2_20181223T125612_20181223T131116_C001  CS_OFFL_SIR_IOPM_2_20181223T125612_20181223T131116_C001  CS_OFFL_SIR_IOPM_2_20181223T125612_20181223T131116_C001
CS_OFFL_SIR_IOPM_2_20181223T115500_20181223T115921_C001  Ice Range Averaging Status  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.  CS_OFFL_SIR_IOPM_2_20181223T120309_20181223T123238_C001  Ocean Range Averaging Status  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_IOPM_2_20181223T120309_20181223T123238_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.
CS_OFFL_SIB_IOPM_2_20181223T125612_20181223T131116_C001
CS_OFFL_SIR_IOPM_2_20181223T131649_20181223T132651_C001
CS_OFFL_SIR_IOPM_2_20181223T133413_20181223T134000_C001
CS_OFFL_SIR_IOPM_2_20181223T134245_20181223T134744_C001
CS_OFFL_SIR_IOPM_2_20181223T135049_20181223T135825_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more
The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIN_IOPM_2_201012231143240_201012231144340_C001  OCean name Averaging Status  records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_201812231144343_201812231150635_C001  Ocean Hange Averaging Status records.  The lea Bange Averaging Status Flag has been set for one or more
CS_OFFL_SIN_OPM_2_201012231151319_201012231151031_C001 III. III. III. III. III. III. III. I
CS_OFFL_SIR_IOPM_2_201812231152302_201812231152318_C001  Ocean Hange Averaging Status records.  The Ocean Bange Averaging Status Flag has been set for one or more
CS_OFFL_SIR_OPM_2_201012231192449_201012231193939_C001 Ocean hange Averaging Status records.
CS_OFFL_SIR_IOPM_2_20181223T161154_20181223T162126_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.
I I no I I no an experience Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20181223T162412_20181223T164542_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.
US OFFI SIB IOPM 2 201812231162412 201812231164542 CUUL — IOCEAN BANGE AVERAGING STATUS — " " " " " " " " " " "

CS_OFFL_SIR_IOPM_2_20181223T172231_20181223T172700_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T172950_20181223T173452_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T173452_20181223T173539_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T173609_20181223T173613_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T175256_20181223T181607_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T181609_20181223T182459_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T182652_20181223T183217_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T183236_20181223T183459_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T184321_20181223T185548_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T185642_20181223T191344_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T193523_20181223T194647_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T194850_20181223T200355_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T200619_20181223T201114_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T202008_20181223T203234_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T203715_20181223T204909_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T212812_20181223T214309_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T214547_20181223T215028_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T215716_20181223T222347_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T225735_20181223T232223_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T232602_20181223T232941_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T233004_20181223T233330_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T233636_20181223T234809_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181223T015356_20181223T015520_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181223T082844_20181223T083454_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181223T115348_20181223T115500_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181223T173946_20181223T174111_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181223T215219_20181223T215555_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181223T224247_20181223T224324_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20181223T011201_20181223T011240_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20181223T142141_20181223T142929_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20181223T151947_20181223T152301_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

## 5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20181223T002810_20181223T003840_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_20181223T004418_20181223T010029_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_20181223T012420_20181223T014347_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_20181223T014711_20181223T015155_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_20181223T015520_20181223T020317_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T020753_20181223T024025_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_20181223T025353_20181223T025452_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_20181223T031548_20181223T033012_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_20181223T033453_20181223T034007_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T034637_20181223T040818_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_20181223T041103_20181223T042041_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_20181223T043153_20181223T043257_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T043351\_20181223T043555\_C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T045901\_20181223T050929\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T052603\_20181223T055917\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T061501\_20181223T064644\_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20181223T070019 20181223T070319 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20181223T070513 20181223T073338 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20181223T075012 20181223T075254 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20181223T075516 20181223T081121 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T082746\_20181223T082844\_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20181223T083752 20181223T084219 C001 Ice Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T084445\_20181223T085904\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T090044\_20181223T090327\_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20181223T094610 20181223T100950 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20181223T101245\_20181223T102128\_C001 Ice Backscatter Averaging Status records The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS\_OFFL\_SIR\_IOPM\_2\_20181223T102352\_20181223T104836\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20181223T112047 20181223T114818 C001 Backscatter Averaging Status nore records. The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20181223T115500 20181223T115921 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T120309\_20181223T123238\_C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T125612\_20181223T131116\_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T131649\_20181223T132651\_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20181223T133413\_20181223T134000\_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20181223T135049 20181223T135825 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T143248\_20181223T144340\_C001 Backscatter Averaging Status more records The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS OFFL SIR IOPM 2 20181223T144343 20181223T150635 C001 Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20181223T151319\_20181223T151831\_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T152302\_20181223T152318\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20181223T152445 20181223T153935 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T155548\_20181223T155728\_C001 Backscatter Averaging Status more records The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS\_OFFL\_SIR\_IOPM\_2\_20181223T155802\_20181223T155824\_C001 Backscatter Averaging Status more records. The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS OFFL SIR IOPM 2 20181223T161154 20181223T162126 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T162412\_20181223T164542\_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20181223T165325\_20181223T165736\_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20181223T170215 20181223T172146 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T172231\_20181223T172700\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T172950\_20181223T173452\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20181223T173609 20181223T173613 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20181223T175256 20181223T181607 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T181609\_20181223T182459\_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20181223T182652 20181223T183217 C001 Ice Backscatter Averaging Status records The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20181223T183236\_20181223T183459\_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20181223T184321 20181223T185548 C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T185642\_20181223T191344\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T193523\_20181223T194647\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20181223T194850 20181223T200355 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20181223T200619\_20181223T201114\_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20181223T202008\_20181223T203234\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20181223T203715 20181223T204909 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20181223T212812 20181223T214309 C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20181223T214547 20181223T215028 C001 Ice Backscatter Averaging Status records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20181223T215106 20181223T215219 C001 Ice Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20181223T215716 20181223T222347 C001 Backscatter Averaging Status more records

CS_OFFL_SIR_IOPM_2_20181223T225735_20181223T232223_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_20181223T232602_20181223T232941_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T233004_20181223T233330_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20181223T233636_20181223T234809_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_20181223T015356_20181223T015520_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181223T082844_20181223T083454_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181223T115348_20181223T115500_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20181223T173946_20181223T174111_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_20181223T215219_20181223T215555_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_20181223T224247_20181223T224324_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_20181223T011201_20181223T011240_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_20181223T142141_20181223T142929_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_20181223T151947_20181223T152301_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: 0

#### 6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors: 0

### 6.4 P2P Auxiliary Correction Error Check

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

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.

Froduct	Test railed	Description
CS_OFFL_SIR_IOP_220181223T002052_20181223T011030_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181223T011030_20181223T020006_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_220181223T020006_20181223T024943_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181223T024943_20181223T033919_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_220181223T033919_20181223T042857_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181223T042857_20181223T051833_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181223T051833_20181223T060810_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181223T060810_20181223T065746_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181223T065746_20181223T074724_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_220181223T074724_20181223T083700_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_220181223T083700_20181223T092637_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_220181223T092637_20181223T101614_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

CS_OFFL_SIR_IOP_2_20181223T101614_20181223T110551_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T110551_20181223T115527_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T115527_20181223T124505_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T124505_20181223T133441_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T133441_20181223T142418_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T142418_20181223T151354_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T151354_20181223T160332_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T160332_20181223T165308_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T165308_20181223T174245_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T174245_20181223T183221_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_220181223T183221_20181223T192159_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T192159_20181223T201135_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T201135_20181223T210112_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181223T210112_20181223T215049_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_220181223T215049_20181223T224026_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T224026_20181223T233002_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T233002_20181224T001940_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

## 6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20181223T002052_20181223T011030_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_20181223T011030_20181223T020006_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_20181223T020006_20181223T024943_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_20181223T024943_20181223T033919_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_20181223T033919_20181223T042857_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_20181223T042857_20181223T051833_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_20181223T051833_20181223T060810_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_220181223T060810_20181223T065746_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_20181223T065746_20181223T074724_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_20181223T074724_20181223T083700_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_20181223T083700_20181223T092637_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_220181223T092637_20181223T101614_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_20181223T101614_20181223T110551_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_20181223T110551_20181223T115527_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_20181223T115527_20181223T124505_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_20181223T124505_20181223T133441_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_20181223T133441_20181223T142418_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_20181223T142418_20181223T151354_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_20181223T151354_20181223T160332_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_20181223T160332_20181223T165308_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_20181223T165308_20181223T174245_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_20181223T174245_20181223T183221_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_20181223T183221_20181223T192159_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_20181223T192159_20181223T201135_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_20181223T201135_20181223T210112_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_20181223T210112_20181223T215049_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_20181223T215049_20181223T224026_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_20181223T224026_20181223T233002_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_20181223T233002_20181224T001940_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

# 6.8 P2P Ocean Retracking Quality Check

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

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

Number of products with errors:

27

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220181223T002052_20181223T011030_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181223T011030_20181223T020006_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T020006_20181223T024943_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T024943_20181223T033919_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T033919_20181223T042857_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T051833_20181223T060810_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T060810_20181223T065746_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181223T065746_20181223T074724_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181223T074724_20181223T083700_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T083700_20181223T092637_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T092637_20181223T101614_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T101614_20181223T110551_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T110551_20181223T115527_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T115527_20181223T124505_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T124505_20181223T133441_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T133441_20181223T142418_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T142418_20181223T151354_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T151354_20181223T160332_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T160332_20181223T165308_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T165308_20181223T174245_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T174245_20181223T183221_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T183221_20181223T192159_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T192159_20181223T201135_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20181223T201135_20181223T210112_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181223T210112_20181223T215049_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181223T215049_20181223T224026_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220181223T233002_20181224T001940_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.