



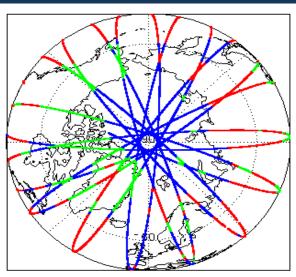
# 1. Overview

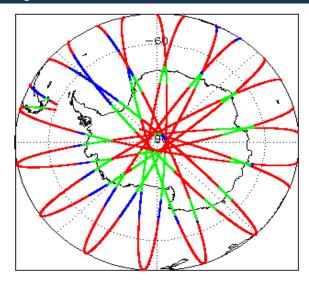
Report Production:	19-Feb-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

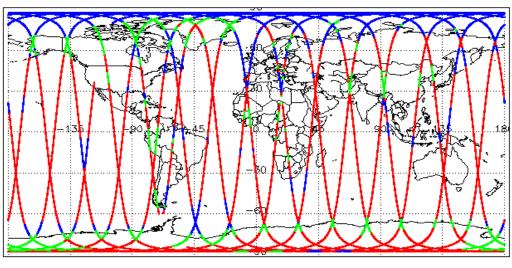
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

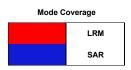
Mission / Instrument News		
16-Feb-2018	None	
17-Feb-2018	None	
18-Feb-2018	Nothing planned	

# 2. Global Coverage









# 3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

# 4. IOP Level 1B Data Quality Check

# 4.1 L1B Product Format Check

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

Number of products with errors:

0

### 4.2 L1B Product Header Analysis

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

### 4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

### 4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

### 4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

Product		Description
CS_OFFL_SIR_IOPM1B_20180217T080224_20180217T080320_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20180217T233834_20180217T234537_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

## 4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPN1B_20180217T014138_20180217T014647_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180217T063020_20180217T063110_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180217T064256_20180217T064627_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180217T081243_20180217T081524_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180217T094914_20180217T095018_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180217T095322_20180217T095425_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180217T113123_20180217T113339_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180217T162318_20180217T162732_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180217T001133_20180217T001234_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180217T031520_20180217T031632_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180217T045042_20180217T045218_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180217T080321_20180217T080732_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180217T100405_20180217T100859_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180217T163548_20180217T164009_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180217T180649_20180217T181331_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180217T234958_20180217T235017_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:

### 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:

## 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:

# 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180217T080224_20180217T080320_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20180217T233834_20180217T234536_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

## 5.6 L2 Range Measurement Check

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

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

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

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

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10 Court   Supplementary   20 Court   20 Cou	Product  CS_OFFI_SID_IODM_2_20190217T001226_20190217T00220F_C001	Test Failed	The Ocean Range Averaging Status Flag has been set for one or more
Some Billing Flower 2 Statistical Transparts (2004) Control Report Averaging Status (1) The Control Report Averaging Status (1			
Court Flags, Price 2 (2010) CTTO 109 (2010) CT			records.
Society (1997), and profile 2 possession from the control of the c		Ice Range Averaging Status	records.
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South Bright Annual State Stat	CS_OFFL_SIR_IOPM_2_20180217T011708_20180217T011919_C001	Ocean Range Averaging Status	records.
Second	CS_OFFL_SIR_IOPM_2_20180217T015639_20180217T022349_C001	Ocean Range Averaging Status	records.
S. OFFL. SIT. DOMA_2_20160017100542_000017100542_0001  Obers Timery Averaging State.  The Obers Timery Averaging State.	CS_OFFL_SIR_IOPM_2_20180217T022859_20180217T023405_C001	Ice Range Averaging Status	records.
Science   Computer   C	CS_OFFL_SIR_IOPM_2_20180217T023648_20180217T030216_C001	Ocean Range Averaging Status	
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Co. CPTL_SR_LOWN_2.20180217T105425_0180217T105435_00001  Co. CPTL_SR_LOWN_2.20180217T105425_0180217T105435_00001  Co. CPTL_SR_LOWN_2.20180217T105425_0180217T105435_00001  Co. CPTL_SR_LOWN_2.20180217T105473_0180217T105435_00001  Co. CPTL_SR_LOWN_2.20180217T105473_0180217T105435_00001  Co. CPTL_SR_LOWN_2.20180217T105473_0180217T105435_00001  Co. CPTL_SR_LOWN_2.20180217T105473_0180217T105435_00001  Co. CPTL_SR_LOWN_2.20180217T105473_0180217T105455_00001  Co. CPTL_SR_LOWN_2.20180217T105473_0180217T105455_000001  Co. CPTL_SR_LOWN_2.20180217T105473_0180217T105455_000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20180217T035103_20180217T040230_C001	Ocean Range Averaging Status	
SCORPLISH_DIFFU_Z000217100421_2000217100420_000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20180217T040823_20180217T041424_C001	Ice Range Averaging Status	
SQ. OFFL. SPI. (JOPM 2. 201002171705422 20100217105435 COOL  Oosen Range Averaging Status  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  records.  Fig. Cores Range Averaging Status Fig. Rate been set for one or more  recor	CS_OFFL_SIR_IOPM_2_20180217T041555_20180217T044448_C001	Ocean Range Averaging Status	
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CS_OFFL_SIR_IOPM_2_20180217705473_20180217705047_C001  CS_OFFL_SIR_IOPM_2_20180217705473_20180217705047_C001  CS_OFFL_SIR_IOPM_2_20180217705310_20180217705047_C001  CS_OFFL_SIR_IOPM_2_20180217705310_20180217705473_C001  CS_OFFL_SIR_IOPM_2_20180217707373_20180217707311_C001  CS_OFFL_SIR_IOPM_2_20180217707373_20180217707311_C001  CS_OFFL_SIR_IOPM_2_20180217707373_20180217707321_C001  CS_OFFL_SIR_IOPM_2_20180217707382_C001  CS_OFFL_SIR_IOPM_2_20180217707382_C001  CS_OFFL_SIR_IOPM_2_20180217707382_C001  CS_OFFL_SIR_IOPM_2_20180217707382_C001  CS_OFFL_SIR_IOPM_2_201802177070652_C001  CS_OFFL_SIR_IOPM_2_20180217706052_C0180217060442_C001  CS_OFFL_SIR_IOPM_2_20180217706052_C0180217060442_C001  CS_OFFL_SIR_IOPM_2_20180217706052_C0180217060442_C001  CS_OFFL_SIR_IOPM_2_20180217706052_C01802177060442_C001  CS_OFFL_SIR_IOPM_2_20180217706052_C01802177060442_C001  CS_OFFL_SIR_IOPM_2_20180217706052_C01802177060442_C001  CS_OFFL_SIR_IOPM_2_20180217706052_C018042C001  CS_OFFL_SIR_IOPM_2_20180217706052_C01802177060442_C001  CS_OFFL_SIR_IOPM_2_20180217706052_C01802177060442_C001  CS_OFFL_SIR_IOPM_2_20180217706052_C01802177060442_C001  CS_OFFL_SIR_IOPM_2_20180217706052_C01802177060442_C001  CS_OFFL_SIR_IOPM_2_201802177106050_C01802177060442_C001  CS_OFFL_SIR_IOPM_2_201802177106052_C01802177060442_C001  CS_OFFL_SIR_IOPM_2_201802177106050_C010  CS_OFFL_SIR_IOPM_2_201802177106050_C01802177106050_C01  CS_OFFL_SIR_IOPM_2_201802177106050_C01802177106050_C01  CS_OFFL_SIR_IOPM_2_201802177106050_C01802177106050_C01  CS_OFFL_SIR_IOPM_2_201802177106050_C01802177106050_C01  CS_OFFL_SIR_IOPM_2_201802177106050_C01802177106050_C01  CS_OFFL_SIR_IOPM_2_201802177106050_C01802177106050_C01  CS_OFFL_SIR_IOPM_2_201802177106050_C01802177106050_C0180217106050	CS_OFFL_SIR_IOPM_2_20180217T050729_20180217T054138_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20180217T08512_0018027T08532_0001 CSS_OFFL_SIR_IOPM_2_0180217T08512_0018027T08532_0001 CSS_OFFL_SIR_IOPM_2_0180217T087070_0180227T09111_0001 CSS_OFFL_SIR_IOPM_2_0180217T08708_0180217T08532_0001 CSS_OFFL_SIR_IOPM_2_0180217T08708_0180217T08532_0001 CSS_OFFL_SIR_IOPM_2_0180217T08708_0180217T08711_0001 CSS_OFFL_SIR_IOPM_2_0180217T087313_0180217T08721_0001 CSS_OFFL_SIR_IOPM_2_0180217T08332_0180217T08321_0001 CSS_OFFL_SIR_IOPM_2_0180217T08322_0180217T08322_0001 CSS_OFFL_SIR_IOPM_2_0180217T09331_0180217T08322_0010 CSS_OFFL_SIR_IOPM_2_0180217T093232_0180217T08032_0010 CSS_OFFL_SIR_IOPM_2_0180217T093232_0180217T08032_0010 CSS_OFFL_SIR_IOPM_2_0180217T093232_0180217T08002_001 CSS_OFFL_SIR_IOPM_2_0180217T093232_0180217T09322_0010 CSS_OFFL_SIR_IOPM_2_0180217T093232_0180217T09322_0010 CSS_OFFL_SIR_IOPM_2_0180217T093232_0180217T09322_0010 CSS_OFFL_SIR_IOPM_2_0180217T093232_0180217T09322_0010 CSS_OFFL_SIR_IOPM_2_0180217T093232_0180217T09322_0010 CSS_OFFL_SIR_IOPM_2_0180217T093232_0180217T09322_0010 CSS_OFFL_SIR_IOPM_2_0180217T093232_0180217T09322_0010 CSS_OFFL_SIR_IOPM_2_0180217T093232_0180217T09323_0010 CSS_OFFL_SIR_IOPM_2_0180217T093232_0180217T09323_0010 CSS_OFFL_SIR_IOPM_2_0180217T093232_0180217T09323_0010 CSS_OFFL_SIR_IOPM_2_0180217T093232_0180217T09323_0010 CSS_OFFL_SIR_IOPM_2_0180217T09323_0180217T09323_0010 CSS_OFFL_SIR_IOPM_2_0180217T100312_0180217T109323_0010 CSS_OFFL_SIR_IOPM_2_0180217T100312_0180217T109323_0010 CSS_OFFL_SIR_IOPM_2_0180217T100312_0180217T109323_0010 CSS_OFFL_SIR_IOPM_2_0180217T100312_0180217T109323_0010 CSS_OFFL_SIR_IOPM_2_0180217T100312_0180217T109323_0010 CSS_OFFL_SIR_IOPM_2_0180217T100312_0180217T100312_0010 CSS_OFFL_SIR_IOPM_2_0180217T100312_0180217T100312_0010 CSS_OFFL_SIR_IOPM_2_0180217T100312_0180217T100312_0010 CSS_OFFL_SIR_IOPM_2_0180217T100312_0180217T100312_0010 CSS_OFFL_SIR_IOPM_2_0180217T100312_0180217T100312_0010 CSS_OFFL_SIR_IOPM_2_0180217T100312_0180217T100312_0010 CSS_OFFL_SIR_IOPM_2_0180217T100313_0180217T100312_0010 CSS_OFFL_SIR_IOPM_2_0180217T100313_0180217T100	CS_OFFL_SIR_IOPM_2_20180217T054731_20180217T055255_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_OPM_2_20180217706310_20180217706342_C001  CS_OFFL_SIR_OPM_2_20180217706320_20180217707311_C001  CS_OFFL_SIR_OPM_2_20180217706320_20180217707311_C001  CS_OFFL_SIR_OPM_2_20180217707323_20180217707311_C001  CS_OFFL_SIR_OPM_2_20180217707323_20180217707311_C001  CS_OFFL_SIR_OPM_2_20180217707323_20180217707312_C001  CS_OFFL_SIR_OPM_2_20180217707323_20180217707321_C001  CS_OFFL_SIR_OPM_2_20180217707323_20180217705321_C001  CS_OFFL_SIR_OPM_2_20180217706322_20180217706322_C001  CS_OFFL_SIR_OPM_2_20180217706322_C0180217706322_C001  CS_OFFL_SIR_OPM_2_20180217706322_C0180217706322_C001  CS_OFFL_SIR_OPM_2_20180217706322_C0180217706322_C001  CS_OFFL_SIR_OPM_2_20180217706322_C0180217706322_C001  CS_OFFL_SIR_OPM_2_20180217706322_C0180217706322_C001  CS_OFFL_SIR_OPM_2_20180217706322_C0180217706322_C001  CS_OFFL_SIR_OPM_2_20180217710621_201802177106322_C001  CS_OFFL_SIR_OPM_2_20180217710621_201802177106322_C001  CS_OFFL_SIR_OPM_2_20180217710621_201802177106322_C001  CS_OFFL_SIR_OPM_2_20180217710621_201802177106322_C001  CS_OFFL_SIR_OPM_2_20180217710621_201802177106322_C001  CS_OFFL_SIR_OPM_2_20180217710621_201802177106322_C001  CS_OFFL_SIR_OPM_2_20180217710621_201802177106320_C001  CS_OFFL_SIR_OPM_2_20180217710621_201802177106320_C001  CS_OFFL_SIR_OPM_2_20180217710621_201802177106320_C001  CS_OFFL_SIR_OPM_2_20180217710621_201802177106320_C001  CS_OFFL_SIR_OPM_2_20180217710621_201802177106320_C001  CS_OFFL_SIR_OPM_2_20180217710621_201802177106320_C001  CS_OFFL_SIR_OPM_2_20180217710621_201	CS_OFFL_SIR_IOPM_2_20180217T055428_20180217T060047_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFF_SR_OPM_2_2018021TT06470_2018021TT073513_018021TT073140_C001  CS_OFF_SR_OPM_2_2018021TT073732_018021TT073140_C001  CS_OFF_SR_OPM_2_2018021TT073733_018021TT073140_C001  CS_OFF_SR_OPM_2_2018021TT073733_018021TT07381_C001  CS_OFF_SR_OPM_2_2018021TT073733_018021TT07381_C001  CS_OFF_SR_OPM_2_2018021TT073733_018021TT074821_C001  CS_OFF_SR_OPM_2_2018021TT07333_018021TT074821_C001  CS_OFF_SR_OPM_2_2018021TT07333_018021TT074821_C001  CS_OFF_SR_OPM_2_2018021TT08320_018021TT085021_C001  CS_OFF_SR_OPM_2_2018021TT08320_018021TT080021_C001  CS_OFF_SR_OPM_2_2018021TT080141_2018021TT090021_C001  CS_OFF_SR_OPM_2_2018021TT080141_2018021TT090021_C001  CS_OFF_SR_OPM_2_2018021TT080140_C018021TT090022_C001  CS_OFF_SR_OPM_2_2018021TT081200_018021TT091042_C001  CS_OFF_SR_OPM_2_2018021TT081200_018021TT091042_C001  CS_OFF_SR_OPM_2_2018021TT081200_018021TT091042_C001  CS_OFF_SR_OPM_2_2018021TT081200_018021TT091042_C001  CS_OFF_SR_OPM_2_2018021TT081200_018021TT095021_C001  CS_OFF_SR_OPM_2_2018021TT081200_018021TT095021_C001  CS_OFF_SR_OPM_2_2018021TT081200_018021TT095021_C001  CS_OFF_SR_OPM_2_2018021TT081200_018021TT095032_C001  CS_OFF_SR_OPM_2_2018021TT09002_018021TT095032_C001  CS_OFF_SR_OPM_2_2018021TT09002_018021TT1095032_C001  CS_OFF_SR_OPM_2_2018021TT109211_018021T1095032_C001  CS_OFF_SR_OPM_2_2018021TT100211_018021T1003032_C001  CS_OFF_SR_OPM_2_2018021TT100211_018021T1003032_C001  CS_OFF_SR_OPM_2_2018021TT100211_018021T1003032_C001  CS_OFF_SR_OPM_2_2018021TT10211_018021T1003032_C001  CS_OFF_SR_OPM_2_2018021TT102211_018021T1003032_C001  CS_OFF_SR_OPM_2_2018021TT102211_018021T1003032_C001  CS_OFF_SR_OPM_2_2018021TT102211_018021T1003032_C001  CS_OFF_SR_OPM_2_2018021TT102211_018021T1003032_C001  CS_OFF_SR_OPM_2_2018021TT102211_018021T1003032_C001  CS_OFF_SR_OPM_2_2018021TT100303_2018021TT100300_C001  CS_OFF_SR_OPM_2_2018021TT100303_2018021TT100300_C001  CS_OFF_SR_OPM_2_2018021TT100303_2018021TT100300_C001  CS_OFF_SR_OPM_2_2018021TT100303_2018021TT100300_C001  CS_OFF_SR_OPM_2_2018021TT100303_2018021TT10300_C001  CS_OFF_SR_OPM_2_20	CS_OFFL_SIR_IOPM_2_20180217T063110_20180217T063422_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217107283_20180217107343_C001  Coen Range Averaging Status  CS_OFFL_SIR_IOPM_2_20180217107383_20180217107343_C001  Coen Range Averaging Status  Coen Range Averaging S	CS_OFFL_SIR_IOPM_2_20180217T064708_20180217T065535_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Lec Range Averaging Status  CS_OFFL_SIR_IOPM_2_20180217T07238_20180217T074821_C001  CS_OFFL_SIR_IOPM_2_20180217T074837_20180217T074821_C001  CS_OFFL_SIR_IOPM_2_20180217T074837_20180217T0780341_C001  CS_OFFL_SIR_IOPM_2_20180217T0780532_C001  CS_OFFL_SIR_IOPM_2_20180217T080532_D0180217T080534_C001  CS_OFFL_SIR_IOPM_2_20180217T080532_D0180217T080534_C001  CS_OFFL_SIR_IOPM_2_20180217T080532_D0180217T080534_C001  CS_OFFL_SIR_IOPM_2_20180217T080542_D0180217T080542_C001  CS_OFFL_SIR_IOPM_2_20180217T080542_D0180217T080542_C001  CS_OFFL_SIR_IOPM_2_20180217T080542_D0180217T080542_C001  CS_OFFL_SIR_IOPM_2_20180217T080542_D0180217T080542_C001  CS_OFFL_SIR_IOPM_2_20180217T080542_D0180217T080534_C001  CS_OFFL_SIR_IOPM_2_20180217T080542_D0180217T080534_C001  CS_OFFL_SIR_IOPM_2_20180217T080542_D0180217T080534_C001  CS_OFFL_SIR_IOPM_2_20180217T080542_D0180217T080534_C001  CS_OFFL_SIR_IOPM_2_20180217T080542_D0180217T080534_C001  CS_OFFL_SIR_IOPM_2_20180217T08054_D0180217T080534_C001  CS_OFFL_SIR_IOPM_2_20180217T108054_D0180217T108054_C001  CS_OFFL_SIR_IOPM_2_20180217T108054_D0180217T108050_C001  CS_OFFL_SIR_IOPM_2_20180217T108054_D0180217T108050_C001  CS_OFFL_SIR_IOPM_2_20180217T108054_D0180217T108050_C001  CS_OFFL_SIR_IOPM_2_20180217T108054_D0180217T108050_C001  CS_OFFL_SIR_IOPM_2_20180217T108054_D0180217T108050_C001  CS_OFFL_SIR_IOPM_2_20180217T108054_D0180217T108050_C001  CS_OFFL_SIR_IOPM_2_20180217T108054_D0180217T108050_C001  CS_OFFL_SIR_IOPM_2_20180217T1108054_D0180217T12046_C001  CS_OFFL_SIR_IOPM_2_20180217T1108054_D0180217T12046_C001  CS_OFFL_SIR_IOPM_2_20180217T1108050_D0180217T112046_C001  CS_OFFL_SIR_IOPM_2_20180217T1108050_D0180217T112046_C001  CS_OFFL_SIR_IOPM_2_20180217T1108050_D0180217T112046_C001  CS_OFFL_SIR_IOPM_2_20180217T1108050_D0180217T112046_C001  CS_OFFL_SIR_IOPM_2_20180217T1108050_D0180217T112046_C001  COSEN Range Averaging Status  CS_OFFL_SIR_IOPM_2_20180217T1108050_D0180217T112046_C001  COSEN Range Averaging Status  CS_OFFL_SIR_IOPM_2_20180217T1108050_D0180217T1108050_C001  COSEN Range Averaging Status	CS_OFFL_SIR_IOPM_2_20180217T065820_20180217T072111_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_201802171074837_20180217109421_C001  Coean Range Averaging Status  Coean Range Averaging Status Flag has been set for one or more coords.  CS_OFFL_SIR_IOPM_2_20180217109417_201802171096031_C001  CS_OFFL_SIR_IOPM_2_2018021710960141_201802171096031_C001  CS_OFFL_SIR_IOPM_2_2018021710960142_20180217096031_C001  CS_OFFL_SIR_IOPM_2_2018021710960142_20180217096062_C001  CS_OFFL_SIR_IOPM_2_201802171096015_20180217096062_C001  CS_OFFL_SIR_IOPM_2_201802171096015_20180217096062_C001  CS_OFFL_SIR_IOPM_2_201802171096016_20180217096062_C001  CS_OFFL_SIR_IOPM_2_201802171096016_201802171096062_C001  CS_OFFL_SIR_IOPM_2_201802171096016_201802171096062_C001  CS_OFFL_SIR_IOPM_2_201802171096016_201802171096062_C001  CS_OFFL_SIR_IOPM_2_201802171096016_201802171096062_C001  CS_OFFL_SIR_IOPM_2_201802171096016_201802171096062_C001  CS_OFFL_SIR_IOPM_2_201802171096016_201802171096062_C001  CS_OFFL_SIR_IOPM_2_201802171096016_201802171096062_C001  CS_OFFL_SIR_IOPM_2_2018021711096016_2018021711096062_C001  CS_OFFL_SIR_IOPM_2_2018021711096062_C018021711096062_C001  CS_OFFL_SIR_IOPM_2_2018021711096062_C018021711096062_C001  CS_OFFL_SIR_IOPM_2_2018021711096062_C018021711096062_C001  CS_OFFL_SIR_IOPM_2_2018021711096062_C018021711096062_C001  CS_OFFL_SIR_IOPM_2_2018021711096062_C01802171120142_C001  CS_OFFL_SIR_IOPM_2_2018021711196062_C01802171120142_C001  CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS_OFFL_SIR_IOPM_2_20180217T072738_20180217T073146_C001		The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_201802171094387_201802171095034_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  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 F	CS OFFL SIR IOPM 2 20180217T073313 20180217T074821 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_201802177080532_201802177090532_C001  CS_OFFL_SIR_OPM_2_201802177090541_201802177090532_C001  CS_OFFL_SIR_OPM_2_201802177090552_201802177091022_C001  CS_OFFL_SIR_OPM_2_201802177090552_201802177091022_C001  CS_OFFL_SIR_OPM_2_201802177090552_201802177091022_C001  CS_OFFL_SIR_OPM_2_201802177090552_201802177091445_C001  CS_OFFL_SIR_OPM_2_201802177090563_201802177090504_C001  CS_OFFL_SIR_OPM_2_201802177090504_C00100277090504_C001  CS_OFFL_SIR_OPM_2_20180217709000_2018021770905054_C001  CS_OFFL_SIR_OPM_2_20180217709000_2018021770905054_C001  CS_OFFL_SIR_OPM_2_20180217709000_201802177109000_C001  CS_OFFL_SIR_OPM_2_201802177109000_201802177109000_C001  CS_OFFL_SIR_OPM_2_201802177100000_20180217710101614_C001  CS_OFFL_SIR_OPM_2_201802177100000_201802177104500_C001  CS_OFFL_SIR_OPM_2_201802177100000_201802177104500_C001  CS_OFFL_SIR_OPM_2_201802177100000_201802177104500_C001  CS_OFFL_SIR_OPM_2_201802177100000_201802177104500_C001  CS_OFFL_SIR_OPM_2_2018021771100000_2018021771104500_C001  CS_OFFL_SIR_OPM_2_2018021771100000_2018021771104500_C001  CS_OFFL_SIR_OPM_2_2018021771100000_2018021771104500_C001  CS_OFFL_SIR_OPM_2_2018021771100000_2018021771104500_C001  CS_OFFL_SIR_OPM_2_2018021771100000_2018021771104500_C001  CS_OFFL_SIR_OPM_2_2018021771100000_2018021771104500_C001  CS_OFFL_SIR_OPM_2_2018021771100000_2018021771104500_C001  CS_OFFL_SIR_OPM_2_2018021771100000_2018021771104500_C001  CS_OFFL_SIR_OPM_2_2018021771100000_2018021771100000_C001  CS_OFFL_SIR_OPM_2_2018021771100000_2018021771100	CS OFFL SIR IOPM 2 20180217T074837 20180217T075321 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_JOPM_2_20180217T090141_20180217T090631_C001  Co Range Averaging Status  CS_OFFL_SIR_JOPM_2_20180217T090682_20180217T091022_C001  CS_OFFL_SIR_JOPM_2_20180217T091238_20180217T091445_C001  CS_OFFL_SIR_JOPM_2_20180217T095018_20180217T095064_C001  CS_OFFL_SIR_JOPM_2_20180217T095018_20180217T095064_C001  CS_OFFL_SIR_JOPM_2_20180217T095018_20180217T095064_C001  CS_OFFL_SIR_JOPM_2_20180217T095018_20180217T095064_C001  CS_OFFL_SIR_JOPM_2_20180217T095018_20180217T095054_C001  CS_OFFL_SIR_JOPM_2_20180217T10950554_20180217T1095322_C001  CS_OFFL_SIR_JOPM_2_20180217T10950555_C001  CS_OFFL_SIR_JOPM_2_20180217T10950555_C001  CS_OFFL_SIR_JOPM_2_20180217T10950555_C001  CS_OFFL_SIR_JOPM_2_20180217T110241_20180217T110245_C001  CS_OFFL_SIR_JOPM_2_20180217T110245_20180217T110245_C001  CS_OFFL_SIR_JOPM_2_20180217T110245_20180217T112245_C001  CS_OFFL_SIR_JOPM_2_20180217T110245_20180217T110245_C001  CS_OFFL_SIR_JOPM_2_20180217T110245_20180217T11245_C001  CS_OFFL_SIR_JOPM_2_20180217T110245_20180217T11245_C001  CS_OFFL_SIR_JOPM_2_20180217T110245_20180217T11245_C001  CS_OFFL_SIR_JOPM_2_20180217T110245_20180217T11245_C001  CS_OFFL_SIR_JOPM_2_20180217T110245_20180217T11245_C001  CS_OFFL_SIR_JOPM_2_20180217T110245_20180217T11245_C001  CS_OFFL_SIR_JOPM_2_20180217T110245_20180217T11245_C001  CS_OFFL_SIR_JOPM_2_20180217T110245_20180217T110245_C001  CS_OFFL_SIR_JOPM_2_20180217T110245_20180217T110245_C001  CS_OFFL_SIR_JOPM_2_20180217T110245_20180217T110245_C001  CS_OFFL_SIR_JOPM_2_20180217T110245_20180217T10245_20180217			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T1090852_20180217T1091236_CO01  Locan Range Averaging Slatus  CS_OFFL_SIR_JOPM_2_20180217T1091236_20180217T109149_CO01  CS_OFFL_SIR_JOPM_2_20180217T1091236_20180217T109149_CO01  CS_OFFL_SIR_JOPM_2_20180217T1095018_20180217T1095034_CO01  Locan Range Averaging Slatus  CS_OFFL_SIR_JOPM_2_20180217T1095018_20180217T1095034_CO01  Locan Range Averaging Slatus  Locan Range Averaging Slatus  Locan Range Averaging Slatus Flag has been set for one or more records.  CS_OFFL_SIR_JOPM_2_20180217T1095034_CO01  CS_OFFL_SIR_JOPM_2_20180217T1095034_CO01  CS_OFFL_SIR_JOPM_2_20180217T1095034_CO01  CS_OFFL_SIR_JOPM_2_20180217T1102211_20180217T1095034_CO01  CS_OFFL_SIR_JOPM_2_20180217T1102214_CO180217T1109505_CO01  CS_OFFL_SIR_JOPM_2_20180217T1102505_CO01  CS_OFFL_SIR_JOPM_2_20180217T1102505_CO01  CS_OFFL_SIR_JOPM_2_20180217T1104016_20180217T110450_CO01  CS_OFFL_SIR_JOPM_2_20180217T1105505_CO180217T1104016_CO180217T104016_CO180217T10			The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_JOPM_2_20180217T1091236_20180217T109400_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  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			The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T094731_20180217T109400_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T095018_20180217T109504_CO10  Lee Range Averaging Status  L			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T1095054_20180217T1095322_C001  Lec Range Averaging Status  CS_OFFL_SIR_IOPM_2_20180217T100900_20180217T1095332_C001  CS_OFFL_SIR_IOPM_2_20180217T104016_20180217T103539_C001  CS_OFFL_SIR_IOPM_2_20180217T104016_20180217T103539_C001  CS_OFFL_SIR_IOPM_2_20180217T104016_20180217T109500_C001  CS_OFFL_SIR_IOPM_2_20180217T104016_20180217T109500_C001  CS_OFFL_SIR_IOPM_2_20180217T105535_20180217T110900_C001  CS_OFFL_SIR_IOPM_2_20180217T110540_20180217T110900_C001  CS_OFFL_SIR_IOPM_2_20180217T110540_20180217T112445_C001  CS_OFFL_SIR_IOPM_2_20180217T10554_20180217T112446_C001  CS_OFFL_SIR_IOPM_2_20180217T12054_20180217T122440_C001  CS_OFFL_SIR_IOPM_2_20180217T12940_20180217T12440_C001  CS_OFFL_SIR_IOPM_2_20180217T12940_20180217T12441_C001  CS_OFFL_SIR_IOPM_2_20180217T12940_20180217T124610_C001  CS_OFFL_SIR_IOPM_2_20180217T12940_20180217T124610_C001  CS_OFFL_SIR_IOPM_2_20180217T129503_20180217T125502_C001  CS_OFFL_SIR_IOPM_2_20180217T129503_20180217T125501_C001  CS_OFFL_SIR_IOPM_2_20180217T135535_20180217T125502_C001  CS_OFFL_SIR_IOPM_2_20180217T135535_20180217T140557_C001  CS_OFFL_SIR_IOPM_2_20180217T140512_20180217T140557_C001  CS_OFFL_SIR_IOPM_2_20180217T140512_20180217T140550_C001  CS_OFFL_SIR_IOPM_2_20180217T140512_20180217T140512_C001  CS_OFFL_SIR_IOPM_2_20180217T			The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T109900_20180217T109803_C001  CS_OFFL_SIR_IOPM_2_20180217T102211_20180217T103839_C001  CS_OFFL_SIR_IOPM_2_20180217T104016_20180217T104030_C001  CS_OFFL_SIR_IOPM_2_20180217T104016_20180217T104030_C001  CS_OFFL_SIR_IOPM_2_20180217T104016_20180217T104030_C001  CS_OFFL_SIR_IOPM_2_20180217T105535_20180217T1105090_C001  CS_OFFL_SIR_IOPM_2_20180217T1105535_20180217T1105000_C001  CS_OFFL_SIR_IOPM_2_20180217T1105535_20180217T1105000_C001  CS_OFFL_SIR_IOPM_2_20180217T1105535_20180217T110501  CS_OFFL_SIR_IOPM_2_20180217T1105535_20180217T120510  CS_OFFL_SIR_IOPM_2_20180217T120254_20180217T120510  CS_OFFL_SIR_IOPM_2_20180217T120254_20180217T121745_C001  CS_OFFL_SIR_IOPM_2_20180217T120254_20180217T121745_C001  CS_OFFL_SIR_IOPM_2_20180217T123805_20180217T12440_C001  CS_OFFL_SIR_IOPM_2_20180217T123805_20180217T12440_C001  CS_OFFL_SIR_IOPM_2_20180217T123805_20180217T124614_C001  CS_OFFL_SIR_IOPM_2_20180217T125013_20180217T125502_C001  CS_OFFL_SIR_IOPM_2_20180217T133535_20180217T125502_C001  CS_OFFL_SIR_IOPM_2_20180217T140012_20180217T135658_C001  CS_OFFL_SIR_IOPM_2_20180217T140012_20180217T140015_C001  CS_OFFL_SIR_IOPM_2_20180217T140012_20180217T140016_C001  CS_OFFL_SIR_IOPM_2_20180217T151043_20180217T14008_C001  CS_OFFL_SIR_IOPM_2_20180217T151043_20180217T14008_C001  CS_OFFL_SIR_IOPM_2_20180217T15003_20180217T14008_C001  CS_OFFL_SIR_IOPM_2_20180217T15003_20180217T150043_C001  CS_OFFL_SIR_IOPM_2_20180217T150043_20180217T150043_C001  CS_OFFL_S			The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T102211_20180217T104030_C001  CS_OFFL_SIR_IOPM_2_20180217T104016_20180217T104030_C001  CS_OFFL_SIR_IOPM_2_20180217T105355_20180217T110909_C001  CS_OFFL_SIR_IOPM_2_20180217T105355_20180217T110909_C001  CS_OFFL_SIR_IOPM_2_20180217T110535_20180217T110909_C001  CS_OFFL_SIR_IOPM_2_20180217T110535_20180217T112245_C001  CS_OFFL_SIR_IOPM_2_20180217T115054_20180217T112245_C001  CS_OFFL_SIR_IOPM_2_20180217T1120254_20180217T112245_C001  CS_OFFL_SIR_IOPM_2_20180217T120254_20180217T11240114_C001  CS_OFFL_SIR_IOPM_2_20180217T120254_20180217T112745_C001  CS_OFFL_SIR_IOPM_2_20180217T120254_20180217T122440_C001  CS_OFFL_SIR_IOPM_2_20180217T120305_20180217T122400_C001  CS_OFFL_SIR_IOPM_2_20180217T123050_20180217T124614_C001  CS_OFFL_SIR_IOPM_2_20180217T123050_20180217T125502_C001  CS_OFFL_SIR_IOPM_2_20180217T133355_20180217T135502_C001  CS_OFFL_SIR_IOPM_2_20180217T140012_20180217T140357_C001  CS_OFFL_SIR_IOPM_2_20180217T140012_20180217T1400357_C001  CS_OFFL_SIR_IOPM_2_20180217T140019_20180217T1400357_C001  CS_OFFL_SIR_IOPM_2_20180217T140019_20180217T140019  CS_OFFL_SIR_IOPM_2_20180217T140019_			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T104016_20180217T104530_C001  Ice Range Averaging Status  CS_OFFL_SIR_IOPM_2_20180217T111124_20180217T110909_C001  Ocean Range Averaging Status  CS_OFFL_SIR_IOPM_2_20180217T111124_20180217T112245_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  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			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T110535_20180217T110909_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180217T11124_20180217T120114_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180217T123805_20180217T125602_C001  Ocean Range Averaging Status  CS_OFFL_SIR_IOPM_2_20180217T133533_20180217T135658_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The O			The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T111124_20180217T112245_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180217T140012_20180217T140708_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.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Stat			
CS_OFFL_SIR_IOPM_2_20180217T115054_20180217T120114_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T120254_20180217T121745_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.  CS_OFFL_SIR_IOPM_2_20180217T123805_20180217T125502_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 Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180217T1400419_20180217T140708_C001  CCS_OFFL_SIR_IOPM_2_20180217T151043_20180217T153622_C001  CCS_OFFL_SIR_IOPM_2_20180217T153754_20180217T153311_C001  Ice Range Averaging Status  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The 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
CS_OFFL_SIR_IOPM_2_20180217T121940_20180217T122440_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.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The 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_20180217T141003_20180217T143856_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set f			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T123805_20180217T124614_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The 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 Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set			
CS_OFFL_SIR_IOPM_2_20180217T123835_20180217T12502_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 Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more			records.
CS_OFFL_SIR_IOPM_2_20180217T133353_20180217T135658_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The loe Range Averaging Status Flag has been set for one or more records.  The loe Range Averaging Status Flag has been set for one or more records.  The loe Range Averaging Status Flag has been set for one or more records.  The loe Range Averaging Status Flag has been set for one or more records.  The loe Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The 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 o			records.
CS_OFFL_SIR_IOPM_2_20180217T140012_20180217T140708_C001  Ice Range Averaging Status  records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.			records.
the Rainge Averaging Status  records.  The loe Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180217T141003_20180217T143856_C001  Ocean Range Averaging Status  CS_OFFL_SIR_IOPM_2_20180217T151043_20180217T153622_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_SIR_IOPM_2_20180217T153754_20180217T154311_C001  Ice Range Averaging Status  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.			records.
CS_OFFL_SIR_IOPM_2_20180217T141003_20180217T143856_C001  CS_OFFL_SIR_IOPM_2_20180217T151043_20180217T153622_C001  CS_OFFL_SIR_IOPM_2_20180217T151043_20180217T153622_C001  CS_OFFL_SIR_IOPM_2_20180217T153754_20180217T153622_C001  CS_OFFL_SIR_IOPM_2_20180217T153754_20180217T154311_C001  CS_OFFL_SIR_IOPM_2_20180217T153754_20180217T154311_C001  CS_OFFL_SIR_IOPM_2_20180217T154317_20180217T154643_C001  CS_OFFL_SIR_IOPM_2_20180217T154317_20180217T154643_C001  CS_OFFL_SIR_IOPM_2_20180217T154930_20180217T1546111_C001  CS_OFFL_SIR_IOPM_2_20180217T154930_20180217T160111_C001  CS_OFFL_SIR_IOPM_2_20180217T154930_20180217T160111_C001  CS_OFFL_SIR_IOPM_2_20180217T154930_20180217T160111_C001  CS_OFFL_SIR_IOPM_2_20180217T154930_20180217T160111_C001  CS_OFFL_SIR_IOPM_2_20180217T154930_20180217T160111_C001  CS_OFFL_SIR_IOPM_2_20180217T154930_20180217T160111_C001  CCS_OFFL_SIR_IOPM_2_20180217T154930_20180217T160111_C001  CCS_OFFL_SIR_IOPM_2_20180217T1			records.
CS_OFFL_SIR_IOPM_2_20180217T151043_20180217T153622_C001  Ocean Range Averaging Status  records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ioe Range Averaging Status Flag has been set for one or more records.  The Ioe Range Averaging Status Flag has been set for one or more records.  The Ioe Range Averaging Status Flag has been set for one or more records.  The Ioe Range Averaging Status Flag has been set for one or more records.  The Ioe Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180217T154317_20180217T154643_C001  CS_OFFL_SIR_IOPM_2_20180217T154930_20180217T160111_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPM_2_20180217T140419_20180217T140708_C001		records.
CS_OFFL_SIR_IOPM_2_20180217T15304_20180217T153022_C001  Ice Range Averaging Status  records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPM_2_20180217T141003_20180217T143856_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180217T154317_20180217T154431_C001  Ice Range Averaging Status  records.  The loe Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20180217T154930_20180217T160111_C001  CS_OFFL_SIR_IOPM_2_20180217T154930_20180217T160111_C001  CS_OFFL_SIR_IOPM_2_20180217T160650_20180217T160111_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPM_2_20180217T151043_20180217T153622_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180217T154931_20180217T160111_C001  CS_OFFL_SIR_IOPM_2_20180217T154930_20180217T160111_C001  CS_OFFL_SIR_IOPM_2_20180217T154930_20180217T160111_C001  CS_OFFL_SIR_IOPM_2_20180217T154930_20180217T162318_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 or more processes.	CS_OFFL_SIR_IOPM_2_20180217T153754_20180217T154311_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_201802171154930_201802171160111_C001  Ocean Range Averaging Status  records.  The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_IOPM_2_20180217T154317_20180217T154643_C001	Ice Range Averaging Status	records.
	CS_OFFL_SIR_IOPM_2_20180217T154930_20180217T160111_C001	Ocean Range Averaging Status	records.
l records.	CS_OFFL_SIR_IOPM_2_20180217T160650_20180217T162318_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOPM_2_20180217T164401_20180217T170534_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T170945_20180217T171613_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T171754_20180217T172547_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T172853_20180217T180247_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T181640_20180217T181725_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T183834_20180217T185558_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T185725_20180217T190237_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T190757_20180217T193050_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T193335_20180217T194306_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T195627_20180217T195711_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T201336_20180217T201945_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T202051_20180217T203501_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T204745_20180217T211926_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T213726_20180217T215646_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T215652_20180217T220926_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T221850_20180217T222045_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T222238_20180217T222549_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T222715_20180217T224310_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T224514_20180217T225531_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T231244_20180217T231446_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T231735_20180217T231923_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T232208_20180217T233354_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180217T000416_20180217T000508_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180217T185559_20180217T185724_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180217T221616_20180217T221850_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180217T222549_20180217T222714_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180217T004448_20180217T004525_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_20180217T001326_20180217T002305_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_20180217T002958_20180217T004448_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_20180217T004722_20180217T005539_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T005739_20180217T011428_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_20180217T011708_20180217T011919_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_20180217T015639_20180217T022349_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_20180217T022859_20180217T023405_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T023648_20180217T030216_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_20180217T033405_20180217T034525_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_20180217T035103_20180217T040230_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_20180217T040823_20180217T041424_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T041555_20180217T044448_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_20180217T045218_20180217T045354_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_20180217T050729_20180217T054138_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_20180217T054731_20180217T055255_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T055428_20180217T060047_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_20180217T063110_20180217T063422_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_20180217T064708_20180217T065535_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_20180217T065820_20180217T072111_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_20180217T072738_20180217T073146_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T073313_20180217T074821_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_20180217T074837_20180217T075321_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_20180217T082529_20180217T085924_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T090141_20180217T090631_C001	Ice Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T090652_20180217T091022_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T091236_20180217T091445_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T091731_20180217T094900_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T095018_20180217T095054_C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T095054_20180217T095322_C001	Ice Backscatter Averaging Status	records.  The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T100900_20180217T101614_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T102211_20180217T103839_C001	SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T104016_20180217T104530_C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180217T111124_20180217T112245_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T115054_20180217T120114_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T120254_20180217T121745_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T121940_20180217T122440_C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T122519_20180217T122620_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T123805_20180217T124614_C001	SWH Averaging Status, Ocean	records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T125013_20180217T125502_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T133353_20180217T135658_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS OFFL SIR IOPM 2 20180217T140012 20180217T140357 C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T141003_20180217T143856_C001	SWH Averaging Status, Ocean	records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T151043_20180217T153622_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T153754_20180217T154311_C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T154317_20180217T154643_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T154930_20180217T160111_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T160650_20180217T162318_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T164401_20180217T170534_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T170945_20180217T171613_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T171754_20180217T172547_C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20180217T172853 20180217T180247 C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T181640_20180217T181725_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T183834_20180217T185558_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T185725_20180217T190237_C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180217T190757_20180217T193050_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T193335_20180217T194306_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T195439_20180217T195514_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T195627_20180217T195711_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T201336_20180217T201945_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180217T202051_20180217T203501_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_201802177204745_201802177211926_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_201802171204743_201802171211920_0001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_201802171213720_201802171213040_0001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOFM_2_201802171213692_201802171220920_C001  CS_OFFL_SIR_IOPM_2_201802171221850_201802171222045_C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOFM_2_201802171221650_201802171222045_C001  CS_OFFL_SIR_IOPM_2_201802171222715_201802171224310_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOFM_2_201802171222715_201802171224310_0001  CS_OFFL_SIR_IOPM_2_201802171224514_201802171225531_0001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_201802171224314_201802171223331_0001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
	Business of Averaging Claus	records.

CS_OFFL_SIR_IOPM_2_20180217T231735_20180217T231923_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_20180217T232208_20180217T233354_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_20180217T000416_20180217T000508_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_20180217T185559_20180217T185724_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180217T221616_20180217T221850_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180217T222549_20180217T222714_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_20180217T004448_20180217T004525_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_20180217T064627_20180217T064707_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_20180217T180649_20180217T181331_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_20180217T204652_20180217T204745_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_20180217T213637_20180217T213726_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: 5

### 6. IOP L2 Pole-to-Pole Data Quality Check

### 6.1 P2P Product Format Check

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

Number of products with errors:

### 6.2 P2P Product Header Analysis

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

Number of products with errors:

### 6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

### 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:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180217T072718_20180217T081657_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

### 6.6 P2P Range Measurement Check

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

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

Tost Failed

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.

Floudt	restraneu	Description
CS_OFFL_SIR_IOP_220180217T000049_20180217T005024_C002	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T005024_20180217T014003_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_220180217T014003_20180217T022938_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_220180217T022938_20180217T031916_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_220180217T031916_20180217T040851_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T040851_20180217T045830_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_220180217T045830_20180217T054805_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T054805_20180217T063744_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_220180217T063744_20180217T072718_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_220180217T072718_20180217T081657_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_220180217T081657_20180217T090632_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T090632_20180217T095611_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_20180217T095611_20180217T104545_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_220180217T104545_20180217T113524_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_220180217T113524_20180217T122459_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_220180217T122459_20180217T131438_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_220180217T131438_20180217T140413_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_220180217T140413_20180217T145351_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T145351_20180217T154326_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_220180217T154326_20180217T163305_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T163305_20180217T172240_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_220180217T172240_20180217T181219_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T181219_20180217T190153_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_220180217T190153_20180217T195132_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T195132_20180217T204107_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T204107_20180217T213046_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T213046_20180217T222020_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T222020_20180217T230959_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

# 6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

CS_OFFL_SIR_IOP_2_20180217T000049_20180217T005024_C002  SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status, Ice Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averagin	r one
CS_OFFL_SIR_IOP_2_20180217T005024_20180217T014003_C001  Backscatter Averaging Status, Ice Backscatter Averag	
CS_OFFL_SIR_IOP_2_20180217T014003_20180217T022938_C001  Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status	r one
SWH Averaging Status, Ocean	
CS_OFFL_SIR_IOP_2_20180217T022938_20180217T031916_C001  Backscatter Averaging Status, Ice Backscatter Averaging Status  Intersection or more records.	r one
CS_OFFL_SIR_IOP_2_20180217T031916_20180217T040851_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for more records.	r one
CS_OFFL_SIR_IOP_2_20180217T040851_20180217T045830_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for more records.	r one
CS_OFFL_SIR_IOP_2_20180217T045830_20180217T054805_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  The SWH and Ocean Averaging Status Flags have been set for or more records.	e or
CS_OFFL_SIR_IOP_2_20180217T054805_20180217T063744_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status Backscatter Averaging Status Backscatter Averaging Status  The SWH, Ocean and Ice Averaging Status Flags have been set for more records.	r one
CS_OFFL_SIR_IOP_2_20180217T063744_20180217T072718_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for more records.	r one
CS_OFFL_SIR_IOP_2_20180217T072718_20180217T081657_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for more records.	r one
CS_OFFL_SIR_IOP_2_20180217T081657_20180217T090632_C001  SWH Averaging Status, Ocean Backscatter Averaging Status  The SWH and Ocean Averaging Status Flags have been set for or more records.	e or
CS_OFFL_SIR_IOP_2_20180217T090632_20180217T095611_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for more records.	r one
CS_OFFL_SIR_IOP_2_20180217T095611_20180217T104545_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for more records.	r one
CS_OFFL_SIR_IOP_2_20180217T104545_20180217T113524_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for more records.	r one
CS_OFFL_SIR_IOP_2_20180217T113524_20180217T122459_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for more records.	r one
CS_OFFL_SIR_IOP_2_20180217T122459_20180217T131438_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for more records.	r one
CS_OFFL_SIR_IOP_2_20180217T131438_20180217T140413_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for more records.	r one
CS_OFFL_SIR_IOP_2_20180217T140413_20180217T145351_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for more records.	r one
CS_OFFL_SIR_IOP_2_20180217T145351_20180217T154326_C001  SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for more records.	r one

CS_OFFL_SIR_IOP_2_20180217T154326_20180217T163305_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_20180217T163305_20180217T172240_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_20180217T172240_20180217T181219_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_20180217T181219_20180217T190153_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_20180217T190153_20180217T195132_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_20180217T195132_20180217T204107_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_20180217T204107_20180217T213046_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_20180217T213046_20180217T222020_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_20180217T222020_20180217T230959_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

# 6.8 P2P Ocean Retracking Quality Check

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180217T000049_20180217T005024_C002	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T005024_20180217T014003_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T014003_20180217T022938_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T022938_20180217T031916_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T031916_20180217T040851_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T040851_20180217T045830_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T054805_20180217T063744_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T063744_20180217T072718_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T072718_20180217T081657_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T081657_20180217T090632_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T090632_20180217T095611_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T095611_20180217T104545_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T104545_20180217T113524_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T113524_20180217T122459_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T122459_20180217T131438_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T140413_20180217T145351_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T145351_20180217T154326_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T154326_20180217T163305_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T163305_20180217T172240_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T172240_20180217T181219_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T181219_20180217T190153_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180217T195132_20180217T204107_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T204107_20180217T213046_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T213046_20180217T222020_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180217T222020_20180217T230959_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.