



## 1. Overview

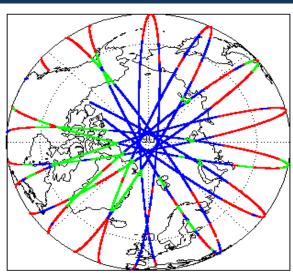
Report Production:	25-Feb-2019	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data	

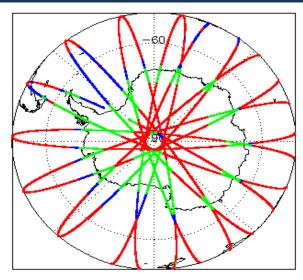
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

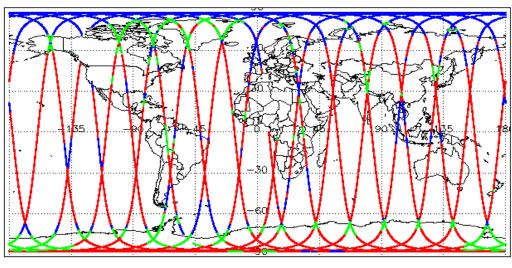
MISSION / INSULUMENT NEWS		
20-Feb-2019	None	
21-Feb-2019	None	

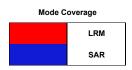
22-Feb-2019 Nothing planned

# 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:

#### 4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

16

Product	Test Failed	Description
CS_OFFL_SIR_IOPN1B_20190221T022640_20190221T023154_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190221T053433_20190221T053457_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190221T063553_20190221T063809_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190221T090653_20190221T090936_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190221T144418_20190221T144649_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190221T154226_20190221T154411_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190221T162122_20190221T162543_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190221T172533_20190221T172701_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190221T180219_20190221T180647_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190221T185953_20190221T190324_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190221T012806_20190221T012912_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190221T050421_20190221T050705_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190221T064125_20190221T064344_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190221T081111_20190221T081519_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190221T130552_20190221T130832_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190221T231234_20190221T231432_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:

0

#### 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

## 5.6 L2 Range Measurement Check

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

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

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

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

Number of products with errors:

86

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20190221T002331_20190221T004059_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T004225_20190221T004738_C001	lice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

Court   Light   Description   Court			The Ocean Bonne Avenuering Chatter Flor has been set for one or more
COURT LENGING 2.20000211000022, DESCRIPTIONALS, DOTS  COURT LENGING 2.2000021100002, DESCRIPTIONALS, DOTS  COURT LENGING 2	CS_OFFL_SIR_IOPM_2_20190221T005300_20190221T011552_C001	Ocean Range Averaging Status	
Corp. 18, 1001. 2. 2010/2017100000, 2010/2017100000, 2010/2017100000, 2010/2017100000, 2010/2017100000, 2010/2017100000, 2010/2017100000, 2010/2017100000, 2010/2017100000, 2010/2017100000, 2010/2017100000, 2010/2017100000, 2010/2017100000, 2010/20171000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20190221T011836_20190221T012806_C001	Ocean Range Averaging Status	records.
Comp. 18 (Comp. 19 (Comp. 2) 201000017100000 (201000017000000 (201000017000000 (20100000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20190221T014125_20190221T014210_C001	Ocean Range Averaging Status	
COUNT_BE_DEN_2_2000027100000_000027100000_0000000000	CS_OFFL_SIR_IOPM_2_20190221T015833_20190221T020443_C001	Ocean Range Averaging Status	
COUNTLINE CONTROL OF C	CS_OFFL_SIR_IOPM_2_20190221T020550_20190221T022001_C001	Ocean Range Averaging Status	
COLUMN STATES OF THE STATES OF	CS_OFFL_SIR_IOPM_2_20190221T023248_20190221T030426_C001	Ocean Range Averaging Status	
Computer	CS_OFFL_SIR_IOPM_2_20190221T032224_20190221T034144_C001	Ocean Range Averaging Status	
SQ.OFE_SRIP_ONE_2 519822T10909_27922T104002_ODI  Obj. PERFORMAN STATE OF THE STATE	CS_OFFL_SIR_IOPM_2_20190221T034150_20190221T035425_C001	Ocean Range Averaging Status	
Co. OFF., SR, IDMA 2. 20180221104172, DISS2211041812, DOIS   Co. OFF., SR, IDMA 2. 20180221104172, DISS221104021, DOIS   Co. OFF., SR, IDMA 2. 20180221104172, DISS221104021, DOIS   Co. OFF., SR, IDMA 2. 20180221100021, DOIS 2018021100021, DOIS	CS_OFFL_SIR_IOPM_2_20190221T040351_20190221T040547_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
Company   Comp	CS_OFFL_SIR_IOPM_2_20190221T040740_20190221T041051_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
Dept.   Str.   Ones   Entry A reverging State   Region A comparing State   Region As	CS_OFFL_SIR_IOPM_2_20190221T041217_20190221T042813_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Company	CS_OFFL_SIR_IOPM_2_20190221T043016_20190221T044032_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CB_OFF_BR_IONI_2_20100221106015_0010021005015_0010 COVER Range Averaging Status Fine Ocean Range Averaging Status Fine has been set for or or or more record. CB_OFF_BR_IONI_2_20100221106016_00100211000000_0010 CB_OFF_BR_IONI_2_20100221100016_00100211000000_0010 CB_OFF_BR_IONI_2_20100221100016_00100211000000_0010 CB_OFF_BR_IONI_2_20100221100016_00100211000000_0010 CB_OFF_BR_IONI_2_20100221100016_00100211000000_0010 CB_OFF_BR_IONI_2_20100221100016_0010021100000000000000	CS_OFFL_SIR_IOPM_2_20190221T050233_20190221T050421_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CB_OFF_SR_OPM_2_20190221T005012_2019022T05697_COID  CB_OFF_SR_OPM_2_2019022T05692_2019022T05697_COID  CB_OFF_SR_OPM_2_2019022T05692_2019022T05697_COID  CB_OFF_SR_OPM_2_2019022T05692_2019022T05697_COID  CB_OFF_SR_OPM_2_2019022T05692_2019022T05697_COID  CB_OFF_SR_OPM_2_2019022T05693_2019022T05698_COID  CB_OFF_SR_OPM_2_2019022T05693_2019022T05698_COID  CB_OFF_SR_OPM_2_2019022T05698_2019022T05698_COID  CB_OFF_SR_OPM_2_2019022T05698_2019022T05698_COID  CB_OFF_SR_OPM_2_2019022T05698_2019022T05698_COID  CB_OFF_SR_OPM_2_2019022T05698_2019022T05698_COID  CB_OFF_SR_OPM_2_2019022T05698_2019022T05698_COID  CB_OFF_SR_OPM_2_2019022T05698_2019022T05698_COID  CB_OFF_SR_OPM_2_2019022T05698_2019022T05698_COID  CB_OFF_SR_OPM_2_2019022T05698_2019022T05698_COID  CB_OFF_SR_OPM_2_2019022T05698_2019022T0568_COID  CB_OFF_SR_OPM_2_2019022T05698_2019022T0568_COID  CB_OFF_SR_OPM_2_2019022T05698_2019022T0568_COID  CB_OFF_SR_OPM_2_2019022T05698_2019022T0568_COID  CB_OFF_SR_OPM_2_2019022T05698_2019022T0568_COID  CB_OFF_SR_OPM_2_2019022T05698_2019022T0568_COID  CB_OFF_SR_OPM_2_2019022T05698_2019022T0568_COID  CB_OFF_SR_OPM_2_2019022T0568_COID  CB_OFF_SR_OPM_2_2019022T1068_COID  CB_OFF_SR_OPM_2_2019022T0568_COID  CB_OFF_SR_OPM_2_2019022T1068_COID  CB_OFF_SR_OPM_2_2019022T1068_COID  CB_OFF_SR_OPM_2_2019022T1068_COID  CB_OFF	CS OFFL SIR IOPM 2 20190221T050705 20190221T051851 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IONU_2_0100221T005422_0100221T005482_0001  Lee Range Averaging Salata  Engine Long 2_0100221T005422_0100221T005482_0001  Court Range Averaging Salata  Engine Long 2_0100221T005482_0100221T005482_0001  Court Range Averaging Salata  CS_OFFL_SIR_IONU_2_0100221T005482_0100221T005682_0001  Court Range Averaging Salata  CS_OFFL_SIR_IONU_2_0100221T005482_0100221T005682_0001  CS_OFFL_SIR_IONU_2_0100221T005482_0100221T005682_0001  CS_OFFL_SIR_IONU_2_0100221T005682_0100221T007687_0001  CS_OFFL_SIR_IONU_2_0100221T005682_0100221T007687_0001  CS_OFFL_SIR_IONU_2_0100221T005682_0100221T005682_0001  CS_OFFL_SIR_IONU_2_0100221T005682_0100221T005682_0001  CS_OFFL_SIR_IONU_2_0100221T005682_0100221T005682_0001  CS_OFFL_SIR_IONU_2_0100221T005682_0100221T005682_0001  CS_OFFL_SIR_IONU_2_0100221T005682_0100221T005682_0001  CS_OFFL_SIR_IONU_2_0100221T005682_0100221T005682_0001  CS_OFFL_SIR_IONU_2_0100221T006293_0100221T006682_0001  CS_OFFL_SIR_IONU_2_0100221T006293_0100221T006682_0001  CS_OFFL_SIR_IONU_2_0100221T006293_0100221T006682_0001  CS_OFFL_SIR_IONU_2_0100221T00682_0100221T00682_0001  CS_OFFL_SIR_IONU_2_0100221T00682_0100221T00682_0001  CS_OFFL_SIR_IONU_2_0100221T00682_0100221T100682_0001  CS_OFFL_SIR_IONU_2_0100221T100682_0100221T100682_0001  CS_OFFL_SIR_IONU_2		Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CG_OFFL_SIR_LOPU_2_20190221100349_20190221100369_20101 Cean Range Averaging Status File Clean Farge Averaging Status File Status File In the Clean Farge Averaging Status File Clean Farge Averaging Status File Clean Farge Averaging Status File Status File In the Clean Farge Averaging Status File Status File In the Clean Farge Averaging Status File Status File In the Clean Farge Averaging Status File In the Deen set for one or more Clean Farge Averaging Status File In the Clean Farge Averaging Status Fi			The Ice Range Averaging Status Flag has been set for one or more
CS_OFF_SR_OPM_2_20190221100514_20190221100510_C001  CS_OFF_SR_OPM_2_20190221100518_20190221105616_C001  CS_OFF_SR_OPM_2_20190221100518_20190221105616_C001  CS_OFF_SR_OPM_2_20190221100518_20190221105616_C001  CS_OFF_SR_OPM_2_20190221100518_201902211056616_C001  CS_OFF_SR_OPM_2_20190221100518_201902211056616_C001  CS_OFF_SR_OPM_2_20190221100518_201902211056616_C001  CS_OFF_SR_OPM_2_20190221100518_201902211056616_C001  CS_OFF_SR_OPM_2_20190221100518_201902211056605_C001  CS_OFF_SR_OPM_2_20190221100218_201902211056605_C001  CS_OFF_SR_OPM_2_20190221100203_20190221566605_C001  CS_OFF_SR_OPM_2_20190221100203_20190221566605_C001  CS_OFF_SR_OPM_2_20190221100203_20190221566605_C001  CS_OFF_SR_OPM_2_20190221100203_20190221566605_C001  CS_OFF_SR_OPM_2_20190221100203_20190221566605_C001  CS_OFF_SR_OPM_2_20190221100203_20190221566605_C001  CS_OFF_SR_OPM_2_20190221100203_20190221566605_C001  CS_OFF_SR_OPM_2_20190221100203_20190221566605_C001  CS_OFF_SR_OPM_2_201902211100203_20190221566605_C001  CS_OFF_SR_OPM_2_201902211100203_20190221566605_C001  CS_OFF_SR_OPM_2_201902211100203_20190221566605_C001  CS_OFF_SR_OPM_2_201902211100203_20190221566605_C001  CS_OFF_SR_OPM_2_201902211100203_20190221566605_C001  CS_OFF_SR_OPM_2_201902211100203_20190221566605_C001  CS_OFF_SR_OPM_2_201902211100203_20190203_C001  CS_OFF_SR_OPM_2_201902211100203_201902211003605_C001  CS_OFF_SR_OPM_2_201902211100203_2019020211003605_C001  CS_OFF_SR_OPM_2_201902211100203_201902211003605_C001  CS_OFF_SR_OPM_2_20190221110048_20190221110035_C001  CS_OFF_SR_OPM_2_20190221110465_20190221110035_C001  CS_OFF_SR_OPM_2_20190221110465_20190221110035_C001  CS_OFF_SR_OPM_2_20190221110465_20190221110035_C001  CS_OFF_SR_OPM_2_20190221110465_20190221110035_C001  CS_OFF_SR_OPM_2_20190221110465_20190221110035_C001  CS_OFF_SR_OPM_2_20190221110465_20190221110035_C001  CS_OFF_SR_OPM_2_20190221110465_20190221110035_C001  CS_OFF_SR_OPM_2_201902211100360_20190200_C001  CS_OFF_SR_OPM_2_20190221110360_20190200_C001  CS_OFF_SR_OPM_2_20190221110360_C001  CS_OFF_SR_OPM_2_20190221110360			
CS_OFFL_SIR_JOPM_2_201902211096192_2019035_CO.  Obean Range Averaging Status  The Obean Range Averaging Status Flag has been set for one or more state. The Comman Range Averaging Status Flag has been set for one or more records. The Obean Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been set for one or more records. The Comman Range Averaging Status Flag has been			The Ocean Range Averaging Status Flag has been set for one or more
See OFFL, SRI, (IPML 2_20190221109340_21190271109350_C01)  CS_OFFL_SRI, (IPML 2_201902211070219_201902211073657_C001)  CS_OFFL_SRI, (IPML 2_201902211070219_201902211073657_C001)  CS_OFFL_SRI, (IPML 2_201902211002618_2019022110736428_C001)  CS_OFFL_SRI, (IPML 2_201902211002618_20190221108428_C001)  CS_OFFL_SRI, (IPML 2_201902211002619_20190221108428_C001)  CS_OFFL_SRI, (IPML 2_201902211002619_20190221108428_C001)  CS_OFFL_SRI, (IPML 2_201902211002619_20190221108428_C001)  CS_OFFL_SRI, (IPML 2_201902211002619_20190221108428_C001)  CS_OFFL_SRI, (IPML 2_201902211002619_20190221108408_C001)  CS_OFFL_SRI, (IPML 2_2019022111008409_2019021108408_C001)  CS_OFFL_SRI, (IPML 2_2019022111008409_C001)  CS_OFFL_SRI, (IPML 2_20190221111008509_C001)  CS_OFFL_SRI, (IPML 2_201902211			
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CS_OFFL_SR_JOPM_2_20190221T073014_20190221T075042_0001  Ocean Range Averaging Status  CS_OFFL_SR_JOPM_2_20190221T088815_20190221T08682_0001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The 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_SR_JOPM_2_20190221T100282_0190221T100455_0001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SR_JOPM_2_20190221T100282_0190221T100455_0001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SR_JOPM_2_20190221T100452_0190221T100455_0001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SR_JOPM_2_20190221T100452_0190221T100455_0001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SR_JOPM_2_20190221T100452_0190221T1005515_0001  Ocean Range Averaging Status  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SR_JOPM_2_20190221T100452_0190221T1005515_0001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SR_JOPM_2_20190221T100452_0190221T1005515_0001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SR_JOPM_2_20190221T100452_00100221T1005515_0001  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 s			records.
CS_OFFL_SR_JOPM_2_20190221T08450_20190221T084650_2010  Ocean Range Averaging Status  Inc Ocean Range Averagi	CS_OFFL_SIR_IOPM_2_20190221T072019_20190221T072857_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_JOPM_2_20190221T090233_0190221T090953_C001  Ocean Range Averaging Status  Fine Ocean Range Averaging Status	CS_OFFL_SIR_IOPM_2_20190221T073104_20190221T075628_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20190221T100393_20190221T008093_C001  CS_OFFL_SIR_IOPM_2_20190221T100393_20190221T008093_C001  CS_OFFL_SIR_IOPM_2_20190221T100392_20190221T101856_C001  CS_OFFL_SIR_IOPM_2_20190221T100418_20190221T109567_C001  CS_OFFL_SIR_IOPM_2_20190221T100418_20190221T109567_C001  CS_OFFL_SIR_IOPM_2_20190221T100418_20190221T109567_C001  CS_OFFL_SIR_IOPM_2_20190221T100418_20190221T109567_C001  CS_OFFL_SIR_IOPM_2_20190221T100418_20190221T109567_C001  CS_OFFL_SIR_IOPM_2_20190221T100418_20190221T109567_C001  CS_OFFL_SIR_IOPM_2_20190221T1004651_20190221T10600_C001  CS_OFFL_SIR_IOPM_2_20190221T100594_20190221T10600_C001  CS_OFFL_SIR_IOPM_2_20190221T100594_20190221T10600_C001  CS_OFFL_SIR_IOPM_2_20190221T100594_20190221T121630_C001  CS_OFFL_SIR_IOPM_2_20190221T1100594_20190221T1210050_C001  CS_OFFL_SIR_IOPM_2_20190221T120568_20190221T120050_C001  CS_OFFL_SIR_IOPM_2_20190221T120568_20190221T120050_C001  CS_OFFL_SIR_IOPM_2_20190221T120568_20190221T120050_C001  CS_OFFL_SIR_IOPM_2_20190221T120568_20190221T120050_C001  CS_OFFL_SIR_IOPM_2_20190221T120568_20190221T120050_C001  CS_OFFL_SIR_IOPM_2_20190221T120568_20190221T120560_C001  CS_OFFL_SIR_IOPM_2_20190221T120568_20190221T120560_C001  CS_OFFL_SIR_IOPM_2_20190221T120568_20190221T130560_C001  CS_OFFL_SIR_IOPM_2_20190221T130560_20190221T130560_C001  CS_OFFL_SIR_IOPM_2_20190221T130560_20190221T130560_C001  CS_OFFL_SIR_IOPM_2_20190221T130560_20190221T130560_C001  CS_OFFL_SIR_IOPM_2_20190221T130560_20190221T130560_C001  CS_OFFL_SIR_IOPM_2_20190221T130560_20190221T130560_C001  CS_OFFL_SIR_IOPM_2_20190221T130560_2019022T1140060_C001  CS_OFFL_SIR_IOPM_2_20190221T140057_2019022T1140060_C001  CS_OFFL_SIR_IOPM_2_2019022T1140057_2019022T1140060_C001  CS_OFFL_SIR_IOPM_2_2019022T1140057_2019022T1140060_C001  CS_OFFL_SIR_IOPM_2_2019022T1140057_2019022T1140060_C001  CS_OFFL_SIR_IOPM_2_2019022T1140057_2019022T1140060_C001  CS_OFFL_SIR_IOPM_2_2019022T1140057_2019022T1140060_C001  CS_OFFL_SIR_IOPM_2_2019022T1140058_201902T1140060_C001  CS_OFFL_SIR_IOPM_2_2019022T1140058_201902T1140060_C0	CS_OFFL_SIR_IOPM_2_20190221T082815_20190221T084426_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20190221T100322_20190221T104041_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_20190221T084500_20190221T085652_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20190221T103392_0190221T105357_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one or more exords.  The Ocean Range Averaging Status Flag has been set for one o	CS_OFFL_SIR_IOPM_2_20190221T090233_20190221T090653_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20190221T102418_20190221T10555F_C001  CS_OFFL_SIR_IOPM_2_20190221T10445_20190221T105515_C001  CS_OFFL_SIR_IOPM_2_20190221T104851_20190221T105515_C001  CS_OFFL_SIR_IOPM_2_20190221T104851_20190221T105515_C001  CS_OFFL_SIR_IOPM_2_20190221T104851_20190221T105515_C001  CS_OFFL_SIR_IOPM_2_20190221T104851_20190221T105515_C001  CS_OFFL_SIR_IOPM_2_20190221T104052_C001  CS_OFFL_SIR_IOPM_2_20190221T104052_C001  CS_OFFL_SIR_IOPM_2_20190221T104052_C001  CS_OFFL_SIR_IOPM_2_20190221T104050_C001  CS_OFFL_SIR_IOPM_2_20190	CS_OFFL_SIR_IOPM_2_20190221T090945_20190221T094014_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20190221T10416_20190221T104732_C001  CS_OFFL_SIR_IOPM_2_20190221T104816_20190221T104732_C001  CS_OFFL_SIR_IOPM_2_20190221T104861_20190221T105515_C001  CS_OFFL_SIR_IOPM_2_20190221T104065_20190221T110500_C001  CS_OFFL_SIR_IOPM_2_20190221T1104065_20190221T110500_C001  CS_OFFL_SIR_IOPM_2_20190221T1104065_20190221T112500_C001  CS_OFFL_SIR_IOPM_2_20190221T1104060_20010021T112500_C001  CS_OFFL_SIR_IOPM_2_20190221T112050_20190221T122002_C001  CS_OFFL_SIR_IOPM_2_20190221T12050_20190221T122002_C001  CS_OFFL_SIR_IOPM_2_20190221T12050_20190221T122002_C001  CS_OFFL_SIR_IOPM_2_20190221T12306_20190221T123052_C001  CS_OFFL_SIR_IOPM_2_20190221T12306_20190221T123052_C001  CS_OFFL_SIR_IOPM_2_20190221T12306_20190221T123052_C001  CS_OFFL_SIR_IOPM_2_20190221T1306_20190221T13052_C001  CS_OFFL_SIR_IOPM_2_20190221T1306_20190221T13052_C001  CS_OFFL_SIR_IOPM_2_20190221T1306_20190221T13052_C001  CS_OFFL_SIR_IOPM_2_20190221T1306_20190221T13052_C001  CS_OFFL_SIR_IOPM_2_20190221T1306_20190221T13052_C001  CS_OFFL_SIR_IOPM_2_20190221T1306_20190221T13050_C001  CS_OFFL_SIR_IOPM_2_20190221T1306_20190221T13050_C001  CS_OFFL_SIR_IOPM_2_20190221T1306_20190221T1306_20190221T13050_C001  CS_OFFL_SIR_IOPM_2_20190221T1306_20190221T1306_20190221T1306_200190	CS_OFFL_SIR_IOPM_2_20190221T100329_20190221T101845_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190221T104851_20190221T105515_C001  CS_OFFL_SIR_IOPM_2_20190221T105945_20190221T110500_C001  CS_OFFL_SIR_IOPM_2_20190221T114024_20190221T112523_C001  CS_OFFL_SIR_IOPM_2_20190221T114024_20190221T112523_C001  CS_OFFL_SIR_IOPM_2_20190221T112050_20190221T1122603_C001  CS_OFFL_SIR_IOPM_2_20190221T122743_20190221T1122603_C001  CS_OFFL_SIR_IOPM_2_20190221T123082_20190221T123052_C001  CS_OFFL_SIR_IOPM_2_20190221T130508_20190221T123052_C001  CS_OFFL_SIR_IOPM_2_20190221T130508_20190221T130552_C001  CS_OFFL_SIR_IOPM_2_20190221T130508_20190221T130552_C001  CS_OFFL_SIR_IOPM_2_20190221T130508_20190221T130552_C001  CS_OFFL_SIR_IOPM_2_20190221T130508_20190221T130552_C001  CS_OFFL_SIR_IOPM_2_20190221T130508_20190221T130552_C001  CS_OFFL_SIR_IOPM_2_20190221T130508_20190221T130552_C001  CS_OFFL_SIR_IOPM_2_20190221T130508_20190221T130505_C001  CS_OFFL_SIR_IOPM_2_20190221T130508_20190221T130505_C001  CS_OFFL_SIR_IOPM_2_20190221T130508_20190221T130505_C001  CS_OFFL_SIR_IOPM_2_20190221T130508_20190221T130505_C001  CS_OFFL_SIR_IOPM_2_20190221T130508_20190221T130505_C001  CS_OFFL_SIR_IOPM_2_20190221T130508_20190221T130505_C001  CS_OFFL_SIR_IOPM_2_20190221T130508_20190221T140505_C001  CS_OFFL_SIR_IOPM_2_20190221T130508_20190221T140505_C001  CS_OFFL_SIR_IOPM_2_20190221T140557_20190221T140505_C001  CS_OFFL_SIR_IOPM_2_20190221T140557_20190221T140505_C001  CS_OFFL_SIR_IOPM_2_20190221T140557_20190221T140505_C001  CS_OFFL_SIR_IOPM_2_20190221T140505_20190221T140505_C001  CS_OFFL_SIR_IOPM_2_20190221T15010221T140505_C001  CS_OFFL_SIR_IOPM_2_20190221T15010221T140505_C001  CS_OFFL_SIR_IOPM_2_20190221T15010221T140505_C001  CS_OFFL_SIR_IOPM_2_20190221T15010221T140505_C001  CS_OFFL_SIR_IOPM_2_20190221T15010221T140505_C001  CS_OFFL_SIR_IOPM_2_20190221T15010221T140505_C001  CS_OFFL_SIR_IOPM_2_20190221T15010221T140505_C001  CS_OFFL_SIR_IOPM_2_20190221T15010221T140505_C001  CS_OFFL_SIR_IOPM_2_20190221T150106_20190221T160305_C001  CS_OFFL_SIR_IOPM_2_20190221T150106_20190221T160305_C001  CS_OFFL_SIR_IOPM_2_20190221T1500403_20190221T160	CS_OFFL_SIR_IOPM_2_20190221T102418_20190221T103557_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20190221T105945_20190221T1105945_20190221T1105945_20190221T1105945_20190221T1105945_20190221T1105945_20190221T1105945_20190221T1105945_20190221T1105945_20190221T1105945_20190221T1105945_20190221T1105945_20190221T1105945_20190221T105945_20190221T105945_20190221T105945_20190221T105945_20190221T105945_20190221T105945_20190221T105945_20190221T105945_20190221T105945_20190221T105945_20190221T105945_20190221T105945_20190221T105945_20190221T105945_20190221T105956	CS_OFFL_SIR_IOPM_2_20190221T104145_20190221T104732_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20190221T114004_20190221T12263_C001  CS_OFFL_SIR_IOPM_2_20190221T12263_C001  CS_OFFL_SIR_IOPM_2_20190221T12263_C001  CS_OFFL_SIR_IOPM_2_20190221T12263_C001  CS_OFFL_SIR_IOPM_2_20190221T122743_20190221T12263_C001  CS_OFFL_SIR_IOPM_2_20190221T123052_C001  CS_OFFL_SIR_IOPM_2_20190221T123052_C001  CS_OFFL_SIR_IOPM_2_20190221T130536_20190221T130552_C001  CS_OFFL_SIR_IOPM_2_20190221T130536_20190221T130552_C001  CS_OFFL_SIR_IOPM_2_20190221T130536_20190221T130552_C001  CS_OFFL_SIR_IOPM_2_20190221T130536_20190221T130552_C001  CS_OFFL_SIR_IOPM_2_20190221T13056_20190221T130552_C001  CS_OFFL_SIR_IOPM_2_20190221T13056_20190221T130562_C001  CS_OFFL_SIR_IOPM_2_20190221T130562_C001  CS_OFFL_SIR_IOPM_2_20190221T130562_C001  CS_OFFL_SIR_IOPM_2_20190221T130562_C001  CS_OFFL_SIR_IOPM_2_20190221T130562_C001  CS_OFFL_SIR_IOPM_2_20190221T130562_C001  CS_OFFL_SIR_IOPM_2_20190221T130562_C0021T130560_C001  CS_OFFL_SIR_IOPM_2_20190221T130560_C001  CS_OFFL_SIR_IOPM_2_20190221T140057_20190221T140500_C001  CS_OFFL_SIR_IOPM_2_20190221T140057_20190221T140500_C001  CS_OFFL_SIR_IOPM_2_20190221T140057_20190221T140500_C001  CS_OFFL_SIR_IOPM_2_20190221T140057_20190221T140500_C001  CS_OFFL_SIR_IOPM_2_20190221T140057_20190221T140500_C001  CS_OFFL_SIR_IOPM_2_20190221T140057_20190221T142800_C001  CS_OFFL_SIR_IOPM_2_20190221T140057_20190221T142800_C001  CS_OFFL_SIR_IOPM_2_20190221T140050_C001  CS_OFFL_SIR_IOPM_2_20190221T140050_C001  CS_OFFL_SIR_IOPM_2_20190221T140050_C001  CS_OFFL_SIR_IOPM_2_20190221T140050_C001  CS_OFFL_SIR_IOPM_2_20190221T140050_C001  CS_OFFL_SIR_IOPM_2_20190221T140050_C001  CS_OFFL_SIR_IOPM_2_20190221T140050_C001  CS_OFFL_SIR_IOPM_2_20190221T140050_C001  CS_OFFL_SIR_IOPM_2_20190221T160050_C001  CS_OFFL_SIR_IOPM_2_20190221T160050_C001  CS_OFFL_SIR_IOPM_2_20190221T160050_C001  CS_OFFL_SIR_IOPM_2_20190221T160050_C001  CS_OFFL_SIR_IOPM_2_20190221T160050_C001  CS_OFFL_SIR_IOPM_2_20190221T160050_C001  CS_OFFL_SIR_IOPM_2_20190221T160050_C001  CS_OFFL_SIR_IOPM_2_20190221T160050_C001  CS_OFFL_SIR_IOPM_2_20190221T160050_C0	CS_OFFL_SIR_IOPM_2_20190221T104851_20190221T105515_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190221T122753_20190221T122603_C001  CS_OFFL_SIR_IOPM_2_20190221T122743_20190221T122052_C001  CS_OFFL_SIR_IOPM_2_20190221T122743_20190221T123052_C001  CS_OFFL_SIR_IOPM_2_20190221T12308_0190221T123052_C001  CS_OFFL_SIR_IOPM_2_20190221T1308_0190221T130552_C001  CS_OFFL_SIR_IOPM_2_20190221T130536_20190221T130552_C001  CS_OFFL_SIR_IOPM_2_20190221T130536_20190221T130552_C001  CS_OFFL_SIR_IOPM_2_20190221T130506_20190221T132857_C001  CS_OFFL_SIR_IOPM_2_20190221T130506_20190221T134737_C001  CS_OFFL_SIR_IOPM_2_20190221T130506_20190221T134737_C001  CS_OFFL_SIR_IOPM_2_20190221T134747_20190221T135400_C001  CS_OFFL_SIR_IOPM_2_20190221T135906_20190221T140050_C001  CS_OFFL_SIR_IOPM_2_20190221T140057_20190221T140050_C001  CS_OFFL_SIR_IOPM_2_20190221T140057_20190221T140509_C001  CS_OFFL_SIR_IOPM_2_20190221T140057_20190221T140509_C001  CS_OFFL_SIR_IOPM_2_20190221T140057_20190221T140509_C001  CS_OFFL_SIR_IOPM_2_20190221T140057_20190221T144291_C001  CS_OFFL_SIR_IOPM_2_20190221T140059_C001  CS_OFFL_SIR_IOPM_2_20190221T140059_C001  CS_OFFL_SIR_IOPM_2_20190221T140059_C001  CS_OFFL_SIR_IOPM_2_20190221T140059_C001  CS_OFFL_SIR_IOPM_2_20190221T14075_20190221T144291_C001  CS_OFFL_SIR_IOPM_2_20190221T140599_C001  CS_OFFL_SIR_IOPM_2_20190221T140509_C001  CS_OFFL_SIR_IOPM_2_20190221T140509_C001  CS_OFFL_SIR_IOPM_2_20190221T140509_C001  CS_OFFL_SIR_IOPM_2_20190221T140509_C001  CS_OFFL_SIR_IOPM_2_20190221T140509_C001  CS_OFFL_SIR_IOPM_2_20190221T140509_C001  CS_OFFL_SIR_IOPM_2_20190221T150126_20190221T15349_C001  CCS_OFFL_SIR_IOPM_2_20190221T150126_20190221T15349_C001  CCS_OFFL_SIR_IOPM_2_20190221T150126_20190221T154026_C001  CCS_OFFL_SIR_IOPM_2_20190221T150126_20190221T154026_C001  CCS_OFFL_SIR_IOPM_2_20190221T150126_20190221T154008_20190221T154008_20190221T154008_20190221T154008_20190221T154008_20190221T154008_20190221T154008_20190221T154008_20190221T154008_20190221T154008_20190221T154008_20190221T154008_20190221T154008_20190221T154008_20190221T154008_20190221T154008_20190221T154008_20190221T154008_20190221T154008_201902	CS_OFFL_SIR_IOPM_2_20190221T105945_20190221T110600_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190221T122403_20190221T12305_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20190221T13050_20190221T132857_C001  Ocean Range Averaging Status  CS_OFFL_SIR_IOPM_2_20190221T133016_20190221T13477_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20190221T135906_20190221T14050_C001  CS_OFFL_SIR_IOPM_2_20190221T135906_20190221T140509_C001  CS_OFFL_SIR_IOPM_2_20190221T14057_20190221T140509_C001  CS_OFFL_SIR_IOPM_2_20190221T14057_20190221T140509_C001  CS_OFFL_SIR_IOPM_2_20190221T14056_20190221T144250_C001  CS_OFFL_SIR_IOPM_2_20190221T14056_20190221T144250_C001  CS_OFFL_SIR_IOPM_2_20190221T14056_20190221T144250_C001  CS_OFFL_SIR_IOPM_2_20190221T14058_20190221T144250_C001  CS_OFFL_SIR_IOPM_2_20190221T15016_20190221T150349_C001  CS_OFFL_SIR_IOPM_2_20190221T150408_20190221T150349_C001  CS_OFFL_SIR_IOPM_2_20190221T150408_20190221T150340_C001  CS_OFFL_SIR_IOPM_2_20190221T150408_20190221T160323_C001  CS_OFFL_SIR_IOPM_2_20190221T150408_20190221T160323_C001  CS_OFFL_SIR_IOPM_2_20190221T150434_20190221T160323_C001  CS_OFFL_SIR_IOPM_2_20190221T16034_20190221T160323_C001  CS_OFFL_SIR_IOPM_2_20190221T16034_20190221T160323_C001  CS_OFFL_SIR_IOPM_2_20190221T16034_20190221T160323_C001  CS_OFFL_SIR_IOPM_2_20190221T16034_20190221T160323_C001  CS_OFFL_SIR_IOPM_2_20190221T16034_20190221T160323_C001  CS_OFFL_SIR_IOPM_2_201902	CS_OFFL_SIR_IOPM_2_20190221T114024_20190221T121523_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190221T123108_20190221T13052_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 Fl	CS_OFFL_SIR_IOPM_2_20190221T122050_20190221T122603_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190221T130536_20190221T130552_C001  Ocean Range Averaging Status  Fecords.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20190221T133016_20190221T134737_C001  Ocean Range Averaging Status  CS_OFFL_SIR_IOPM_2_20190221T134747_20190221T135400_C001  CS_OFFL_SIR_IOPM_2_20190221T135906_20190221T140050_C001  CS_OFFL_SIR_IOPM_2_20190221T135906_20190221T140050_C001  CS_OFFL_SIR_IOPM_2_20190221T140057_20190221T140050_C001  CS_OFFL_SIR_IOPM_2_20190221T140715_20190221T140509_C001  CS_OFFL_SIR_IOPM_2_20190221T140715_20190221T142921_C001  CS_OFFL_SIR_IOPM_2_20190221T140715_20190221T142921_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Dean Range Averaging Status Flag has been set for one or more records.  The Dean Range Averaging Status Flag has been set for one or more records.  The Dean Range Averaging Status Flag has been set for one or more records.  The Dean Range Averaging Status Flag has been set for one or more records.  The Dean Range Averaging Status Flag has been set for one or more records.  The Dean Range Averaging Status Flag has been set for one or more records.  The Dean Range Averaging Status Flag has been set for one or more records.  The Dean Range Averaging Status Flag has been set for one or more records.  The Dean Range Averaging Status Flag has been set for one or more records.  The Dean Range Averaging Status Flag has been set for one or more records.  The Dean Range Averaging Status Flag has been set for one or more records.  The Dean Range Averaging Status Flag has been set for one or more records.  The Dean Range Averaging Status Flag has been set for one or more records.  The Dean Range Averaging Status Flag has been set for one or more records.  The Dean Range Averaging Status Flag has been set for one or	CS_OFFL_SIR_IOPM_2_20190221T122743_20190221T123052_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190221T130352_20190221T13055_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status 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 se	CS_OFFL_SIR_IOPM_2_20190221T123108_20190221T124619_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190221T13395_Z0190221T134737_C001  Cs_OFFL_SIR_IOPM_2_20190221T133016_20190221T134737_C001  Cs_OFFL_SIR_IOPM_2_20190221T134747_20190221T135400_C001  Cs_OFFL_SIR_IOPM_2_20190221T135906_20190221T140050_C001  Cs_OFFL_SIR_IOPM_2_20190221T135906_20190221T140050_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.  Cs_OFFL_SIR_IOPM_2_20190221T140057_20190221T140509_C001  Ice Range Averaging Status  The Ice Range Averaging Status Flag has been set for one or more records.  Cs_OFFL_SIR_IOPM_2_20190221T140715_20190221T142921_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  Cs_OFFL_SIR_IOPM_2_20190221T142952_20190221T14423_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.  Cs_OFFL_SIR_IOPM_2_20190221T154008_20190221T153249_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 Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Avera	CS_OFFL_SIR_IOPM_2_20190221T130536_20190221T130552_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190221T134737_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_20190221T135906_20190221T140509_C001  Lee Range Averaging Status  Lee Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20190221T14057_20190221T140509_C001  Lee Range Averaging Status  Lee Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20190221T140715_20190221T142921_C001  CS_OFFL_SIR_IOPM_2_20190221T142952_20190221T14291_C001  CS_OFFL_SIR_IOPM_2_20190221T142952_20190221T142952_C010  CS_OFFL_SIR_IOPM_2_20190221T150126_20190221T153259_C001  CS_OFFL_SIR_IOPM_2_20190221T150126_20190221T153949_C001  Lee Range Averaging Status  CS_OFFL_SIR_IOPM_2_20190221T154008_20190221T153949_C001  Lee Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20190221T154008_20190221T154226_C001  Lee Range Averaging Status  The Lee Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20190221T154008_20190221T154226_C001  Lee Range Averaging Status  The Coean Range Averaging Status Flag has been set for one or more records.  The Lee Range Averaging Status Flag has been set for one or more records.  The Lee Range Averaging Status Flag has been set for one or more records.  The Lee Range Averaging Status Flag has been set for one or more records.  The Coean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging S	CS_OFFL_SIR_IOPM_2_20190221T131950_20190221T132857_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20190221T134747_20190221T135400_C001  CS_OFFL_SIR_IOPM_2_20190221T135906_20190221T140050_C001  Ice Range Averaging Status  The loc Range Averaging Status Flag has been set for one or more records.  The loc Range Averaging Status Flag has been set for one or more records.  The loc Range Averaging Status Flag has been set for one or more records.  The loc Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status 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 Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status 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	CS_OFFL_SIR_IOPM_2_20190221T133016_20190221T134737_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190221T140057_20190221T140050_C001  CS_OFFL_SIR_IOPM_2_20190221T140057_20190221T140509_C001  CS_OFFL_SIR_IOPM_2_20190221T140057_20190221T14291_C001  CS_OFFL_SIR_IOPM_2_20190221T142952_20190221T14291_C001  CS_OFFL_SIR_IOPM_2_20190221T142952_20190221T142952_20190221T142952_20190221T142952_20190221T142952_20190221T142952_20190221T142952_20190221T153259_C001  CS_OFFL_SIR_IOPM_2_20190221T150126_20190221T153259_C001  CS_OFFL_SIR_IOPM_2_20190221T153425_20190221T153949_C001  CS_OFFL_SIR_IOPM_2_20190221T153425_20190221T153949_C001  CS_OFFL_SIR_IOPM_2_20190221T154008_20190221T153259_C001  CS_OFFL_SIR_IOPM_2_20190221T154008_20190221T154226_C001  CS_OFFL_SIR_IOPM_2_20190221T154008_20190221T154226_C001  CS_OFFL_SIR_IOPM_2_20190221T155056_20190221T160323_C001  CS_OFFL_SIR_IOPM_2_20190221T150566_20190221T160323_C001  CS_OFFL_SIR_IOPM_2_20190221T160434_20190221T160323_C001  CS_OFFL_SIR_IOPM_2_20190221T160434_20190221T1601727_C001  CS_OFFL_SIR_IOPM_2_20190221T160434_20190221T161727_C001  CS_OFFL_SIR_IOPM_2_20190221T160434_20190221T161721_C001  CS_OFFL_SIR_IOPM_2_20190221T160434_20190221T162121_C001  COEan Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been s	CS_OFFL_SIR_IOPM_2_20190221T134747_20190221T135400_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190221T140057_20190221T140509_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.  CS_OFFL_SIR_IOPM_2_20190221T142952_20190221T14243_C001  CS_OFFL_SIR_IOPM_2_20190221T150126_20190221T153259_C001  CS_OFFL_SIR_IOPM_2_20190221T150126_20190221T153259_C001  CS_OFFL_SIR_IOPM_2_20190221T153425_20190221T1534949_C001  CS_OFFL_SIR_IOPM_2_20190221T154008_20190221T154226_C001  CS_OFFL_SIR_IOPM_2_20190221T155056_20190221T154226_C001  CS_OFFL_SIR_IOPM_2_20190221T155056_20190221T160323_C001  CS_OFFL_SIR_IOPM_2_20190221T160434_20190221T160323_C001  CS_OFFL_SIR_IOPM_2_20190221T160434_20190221T160323_C001  CS_OFFL_SIR_IOPM_2_20190221T160434_20190221T160434_20190221T161727_C001  CS_OFFL_SIR_IOPM_2_20190221T160434_20190221T162121_C001  CS_OFFL_SIR_IOPM_2_20190221T164304_20190221T165418_C001  CS_OFFL_SIR_IOPM_2_20190221T164304_20190221T165418_C001  CS_OFFL_SIR_IOPM_2_20190221T164304_20190221T165418_C001  CC_COMPRANCE Averaging Status  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been s	CS_OFFL_SIR_IOPM_2_20190221T135906_20190221T140050_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190221T142952_20190221T142921_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_20190221T150126_20190221T153259_C001  Ocean Range Averaging Status  CS_OFFL_SIR_IOPM_2_20190221T153425_20190221T153949_C001  Ice 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 Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging 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_20190221T140057_20190221T140509_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190221T142952_20190221T14243_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.  CS_OFFL_SIR_IOPM_2_20190221T154008_20190221T154226_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 Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging 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_20190221T140715_20190221T142921 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190221T150126_20190221T153259_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.  CS_OFFL_SIR_IOPM_2_20190221T154008_20190221T154226_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.  CS_OFFL_SIR_IOPM_2_20190221T155056_20190221T160323_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
CS_OFFL_SIR_IOPM_2_20190221T153425_20190221T153949_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.  CS_OFFL_SIR_IOPM_2_20190221T154008_20190221T160323_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_IOPM_2_20190221T160434_20190221T161727_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_20190221T160434_20190221T161727_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
CS_OFFL_SIR_IOPM_2_20190221T154008_20190221T154226_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.  CS_OFFL_SIR_IOPM_2_20190221T160434_20190221T161727_C001  CS_OFFL_SIR_IOPM_2_20190221T160434_20190221T162121_C001  CS_OFFL_SIR_IOPM_2_20190221T161753_20190221T162121_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
CS_OFFL_SIR_IOPM_2_20190221T160323_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_20190221T160434_20190221T161727_C001  Ocean Range Averaging Status  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status 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
CS_OFFL_SIR_IOPM_2_20190221T160434_20190221T161727_C001  Ocean Range Averaging Status  CS_OFFL_SIR_IOPM_2_20190221T161753_20190221T162121_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
CS_OFFL_SIR_IOPM_2_20190221T164753_20190221T162121_C001  Ocean Range Averaging Status  Ocean Range Averaging Status  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190221T164304_20190221T165418_C001			
	55_011 E_011C_101 M_Z_201902211104504_201902211105410_0001	Oscari Nariye Averayiriy Status	

CS_OFFL_SIR_IOPM_2_20190221T165621_20190221T171158_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T171351_20190221T171847_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T171924_20190221T172043_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T172735_20190221T173250_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T174510_20190221T175636_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T183541_20190221T185100_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T185323_20190221T185800_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T185838_20190221T185953_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T190400_20190221T192257_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T192300_20190221T193119_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T200449_20190221T203051_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T203328_20190221T203714_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T204325_20190221T205533_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T210104_20190221T211057_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T213534_20190221T221011_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T221136_20190221T221628_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T222304_20190221T223446_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T223922_20190221T225803_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T234640_20190221T234948_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T235131_20190221T235657_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190221T040117_20190221T040351_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190221T045945_20190221T050226_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190221T112825_20190221T112911_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190221T144418_20190221T144649_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190221T185831_20190221T185838_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190221T203101_20190221T203328_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190221T203714_20190221T203720_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190221T213047_20190221T213108_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190221T221628_20190221T221634_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190221T071756_20190221T071834_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190221T154412_20190221T154721_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190221T161727_20190221T161753_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190221T212209_20190221T213047_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

# 5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20190221T002331_20190221T004059_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_20190221T004225_20190221T004738_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T005300_20190221T011552_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_20190221T011836_20190221T012806_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_20190221T015833_20190221T020443_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_20190221T020550_20190221T022001_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_20190221T023248_20190221T030426_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_20190221T032224_20190221T034144_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_20190221T034150_20190221T035425_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_20190221T040351_20190221T040547_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190221T040740\_20190221T041051\_C001 Ice Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190221T041217 20190221T042813 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T043016\_20190221T044032\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T050233\_20190221T050421\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190221T050705 20190221T051851 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190221T053517 20190221T053615 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190221T054222 20190221T054507 C001 Ice Backscatter Averaging Status records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190221T054522 20190221T054952 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T055146\_20190221T060639\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T060819\_20190221T061102\_C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190221T065340 20190221T065616 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T065618\_20190221T071755\_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190221T072019 20190221T072857 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T073104\_20190221T075628\_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T082815\_20190221T084426\_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190221T084500 20190221T085652 C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190221T090233\_20190221T090653\_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T090945\_20190221T094014\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190221T100329 20190221T101845 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T102418\_20190221T103557\_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more Ice Backscatter Averaging Status CS\_OFFL\_SIR\_IOPM\_2\_20190221T104145\_20190221T104732\_C001 records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190221T104851 20190221T105515 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T105945\_20190221T110600\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190221T114024 20190221T121523 C001 Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190221T122050 20190221T122603 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190221T122743 20190221T123052 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T123108\_20190221T124619\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T130536\_20190221T130552\_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T131950\_20190221T132857\_C001 Backscatter Averaging Status more records. The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS OFFL SIR IOPM 2 20190221T133016 20190221T134737 C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T134747\_20190221T135400\_C001 **Backscatter Averaging Status** more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190221T135906\_20190221T140050\_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190221T140715 20190221T142921 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T142952\_20190221T144243\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T150126\_20190221T153259\_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190221T153425 20190221T153949 C001 Ice Backscatter Averaging Status records The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190221T154008\_20190221T154226\_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T155056\_20190221T160323\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190221T160434 20190221T161727 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190221T161753 20190221T162121 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T164304\_20190221T165418\_C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T165621\_20190221T171158\_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190221T171351\_20190221T171847\_C001 Ice Backscatter Averaging Status records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190221T171924 20190221T172043 C001 Ice Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T172735\_20190221T173250\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T174510\_20190221T175636\_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190221T183541 20190221T185100 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190221T185323\_20190221T185800\_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T190400\_20190221T192257\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190221T192300 20190221T193119 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPM\_2\_20190221T200449\_20190221T203051\_C001 Backscatter Averaging Status more records

CS_OFFL_SIR_IOPM_2_20190221T203328_20190221T203714_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T204325_20190221T205533_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_20190221T210104_20190221T211057_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_20190221T213534_20190221T221011_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_20190221T221136_20190221T221628_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190221T222304_20190221T223446_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_20190221T223922_20190221T225803_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_20190221T231101_20190221T231234_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_20190221T234640_20190221T234948_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_20190221T235131_20190221T235657_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190221T040117_20190221T040351_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190221T112825_20190221T112911_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_20190221T144418_20190221T144649_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190221T185831_20190221T185838_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190221T203101_20190221T203328_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190221T203714_20190221T203720_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190221T213047_20190221T213108_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_20190221T221628_20190221T221634_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190221T071756_20190221T071834_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_20190221T154412_20190221T154721_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_20190221T161727_20190221T161753_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_20190221T212209_20190221T213047_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

#### 5.8 L2 Ocean Retracking Quality Check

CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

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

Number of products with errors:

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

#### 6.1 P2P Product Format Check

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

Number of products with errors:

### 6.2 P2P Product Header Analysis

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

Number of products with errors: 0

### 6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

### 6.4 P2P Auxiliary Correction Error Check

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

Number of products with errors:

## 6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

#### 6.6 P2P Range Measurement Check

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220190220T235713_20190221T004652_C001		The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190221T004652_20190221T013627_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190221T013627_20190221T022605_C001		The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

CS_OFFL_SIR_IOP_2_20190221T025005_20190221T031540_C001  CS_OFFL_SIR_IOP_2_20190221T031540_20190221T040519_C001  CS_OFFL_SIR_IOP_2_20190221T040519_20190221T045454_C001  Ocean Range Averaging Status  The recommendation of the commendation of the co	he Ocean Range Averaging Status Flag has been set for one or more ecords.  The Ocean Range Averaging Status Flag has been set for one or more ecords.  The Ocean Range Averaging Status Flag has been set for one or more ecords.  The Ocean Range Averaging Status Flag has been set for one or more ecords.
CS_OFFL_SIR_IOP_2_20190221T040519_20190221T040519_C001  CS_OFFL_SIR_IOP_2_20190221T040519_20190221T045454_C001  Ocean Range Averaging Status  The Company Range Averaging Status  Ocean Range Averaging Status  Ocean Range Averaging Status	ecords.  he Ocean Range Averaging Status Flag has been set for one or more ecords.  he Ocean and Ice Range Averaging Status Flags have been set for one r more records.
CS_OFFL_SIR_IOP_2_201902211040319_201902211043434_C001	ecords. he Ocean and Ice Range Averaging Status Flags have been set for one r more records.
Ocean Range Averaging Status Ice Th	r more records.
	he Ocean and Ice Range Averaging Status Flags have been set for one r more records.
	he Ocean and Ice Range Averaging Status Flags have been set for one r more records.
	he Ocean and Ice Range Averaging Status Flags have been set for one r more records.
	he Ocean and Ice Range Averaging Status Flags have been set for one r more records.
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	he Ocean and Ice Range Averaging Status Flags have been set for one r more records.
	he Ocean and Ice Range Averaging Status Flags have been set for one r more records.
	he Ocean Range Averaging Status Flag has been set for one or more ecords.
	he Ocean and Ice Range Averaging Status Flags have been set for one r more records.
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	he Ocean and Ice Range Averaging Status Flags have been set for one r more records.
	he Ocean Range Averaging Status Flag has been set for one or more ecords.
	he Ocean and Ice Range Averaging Status Flags have been set for one r more records.
CS_OFFL_SIR_IOF_2201902211221046_201902211230025_C001 Ocean Range Averaging Status	he Ocean Range Averaging Status Flag has been set for one or more ecords.
CS_UFFL_SIR_IOF_2201902211230623_2019022112356002_C002  Range Averaging Status or	he Ocean and Ice Range Averaging Status Flags have been set for one r more records.
	he Ice Range Averaging Status Flag has been set for one or more ecords.
6.7 D2D SWH and Packagetter Magaurement Chack	

#### 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.

umber of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20190220T235713_20190221T004652_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_20190221T004652_20190221T013627_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_20190221T013627_20190221T022605_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_220190221T022605_20190221T031540_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_20190221T031540_20190221T040519_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_20190221T040519_20190221T045454_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_220190221T045454_20190221T054432_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_20190221T054432_20190221T063407_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_20190221T063407_20190221T072346_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_20190221T072346_20190221T081321_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_20190221T081321_20190221T090300_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_220190221T090300_20190221T095235_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_220190221T095235_20190221T104213_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_220190221T104213_20190221T113148_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_220190221T113148_20190221T122127_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_220190221T122127_20190221T131102_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_220190221T131102_20190221T140040_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_220190221T140040_20190221T145015_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_220190221T145015_20190221T153954_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_220190221T153954_20190221T162929_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_220190221T162929_20190221T171907_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_20190221T171907_20190221T180843_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_220190221T180843_20190221T185821_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_220190221T185821_20190221T194756_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_220190221T194756_20190221T203735_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_20190221T203735_20190221T212710_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_220190221T212710_20190221T221648_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_220190221T221648_20190221T230623_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_220190221T230623_20190221T235602_C002	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

# 6.8 P2P Ocean Retracking Quality Check

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

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

Number of products with errors:

CS_OFFL_SIR_IOP_2_20190221T013627_20190221T02605_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T0126605_20190221T031540_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T031540_20190221T040519_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T040519_20190221T0405454_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T045454_20190221T054432_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T045454_20190221T06407_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T063407_20190221T063407_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T063407_20190221T083407_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T081321_20190221T081321_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T081321_20190221T090300_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T1081321_20190221T013148_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T13148_20190221T131102_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T131102_20190221T131102_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has b	Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20190221T022605_20190221T031540_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T040519_20190221T040519_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T040519_20190221T045454_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T045454_20190221T054432_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T054432_20190221T063407_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T063407_20190221T072346_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T072346_20190221T093300_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T081321_20190221T093000_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T090300_20190221T095235_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T114213_20190221T113148_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T113148_20190221T1122127_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T1140040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T145015_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has	CS_OFFL_SIR_IOP_2_20190220T235713_20190221T004652_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190221T040519_20190221T0405454_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T0405454_20190221T044432_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T045454_20190221T054432_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T054432_20190221T063407_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T072346_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T072346_20190221T081321_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T081321_20190221T081321_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T081321_20190221T090300_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T04213_20190221T113148_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T113148_20190221T113148_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T1131102_20190221T1131102_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T1140040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T140040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for	CS_OFFL_SIR_IOP_220190221T013627_20190221T022605_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190221T040519_20190221T054432_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T045454_20190221T054432_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T063407_20190221T063407_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T063407_20190221T072346_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T072346_20190221T091321_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T081321_20190221T090300_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T090300_20190221T095235_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T104213_20190221T113148_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T113148_20190221T122127_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T1131102_20190221T131102_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T131102_20190221T140040_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T140040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T145015_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has	CS_OFFL_SIR_IOP_220190221T022605_20190221T031540_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190221T054432_20190221T064432_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T063407_20190221T063407_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T063407_20190221T081321_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T081321_20190221T090300_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T081321_20190221T090300_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T090300_20190221T095235_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T104213_20190221T113148_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T113148_20190221T1122127_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T1121127_20190221T1131102_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T111102_20190221T1404040_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T1404040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T145015_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T145015_20190221T153954_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag	CS_OFFL_SIR_IOP_220190221T031540_20190221T040519_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190221T054432_20190221T063407_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T072346_20190221T081321_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T081321_20190221T090300_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T081321_20190221T090300_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T090300_20190221T095235_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T104213_20190221T113148_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T113148_20190221T122127_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T113148_20190221T131102_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T131102_20190221T140040_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T140040_20190221T140040_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T140040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T145015_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190221T040519_20190221T045454_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190221T063407_20190221T072346_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T081321_20190221T090300_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T090300_20190221T090300_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T090300_20190221T095235_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T104213_20190221T113148_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T113148_20190221T122127_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T122127_20190221T131102_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T131102_20190221T140040_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T140040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T140040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T145015_20190221T153954_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190221T045454_20190221T054432_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190221T072346_20190221T081321_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T090300_20190221T090300_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T090300_20190221T095235_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T104213_20190221T113148_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T113148_20190221T122127_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T12117_20190221T131102_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T131102_20190221T140040_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T140040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T140040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190221T054432_20190221T063407_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190221T081321_20190221T090300_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T1090300_20190221T1095235_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T104213_20190221T113148_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T113148_20190221T122127_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T122127_20190221T131102_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T131102_20190221T140040_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T140040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T140040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T145015_20190221T153954_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190221T063407_20190221T072346_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190221T1090300_20190221T1095235_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T1104213_20190221T113148_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T113148_20190221T122127_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T122127_20190221T131102_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T131102_20190221T140040_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T140040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T145015_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T145015_20190221T153954_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190221T072346_20190221T081321_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190221T104213_20190221T113148_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T12127_20190221T131102_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T122127_20190221T131102_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T131102_20190221T140040_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T140040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T145015_20190221T153954_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190221T081321_20190221T090300_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190221T13148_20190221T122127_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T12127_20190221T131102_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T131102_20190221T140040_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T140040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T145015_20190221T153954_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190221T090300_20190221T095235_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190221T122127_20190221T131102_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T140040_20190221T140040_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T140040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T145015_20190221T153954_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190221T104213_20190221T113148_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190221T131102_20190221T140040_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T140040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T145015_20190221T153954_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190221T113148_20190221T122127_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190221T140040_20190221T145015_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190221T145015_20190221T153954_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190221T122127_20190221T131102_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190221T145015_20190221T153954_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190221T131102_20190221T140040_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
	CS_OFFL_SIR_IOP_220190221T140040_20190221T145015_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
00 0FF 0F 0F 0 0000047450074 0040004745000 0004	CS_OFFL_SIR_IOP_220190221T145015_20190221T153954_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIK_IOP_ZZU19UZZ11153954_ZU19UZZ1116Z9Z9_CU01	CS_OFFL_SIR_IOP_220190221T153954_20190221T162929_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190221T162929_20190221T171907_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190221T162929_20190221T171907_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190221T171907_20190221T180843_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190221T171907_20190221T180843_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190221T180843_20190221T185821_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190221T180843_20190221T185821_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.

CS_OFFL_SIR_IOP_220190221T185821_20190221T194756_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190221T194756_20190221T203735_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190221T212710_20190221T221648_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190221T221648_20190221T230623_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190221T230623_20190221T235602_C002	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.