



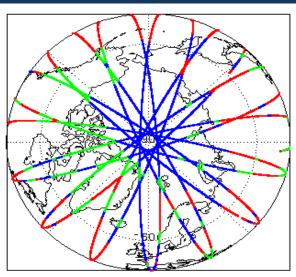
# 1. Overview

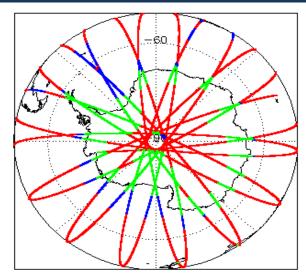
Report Production:	29-Mar-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

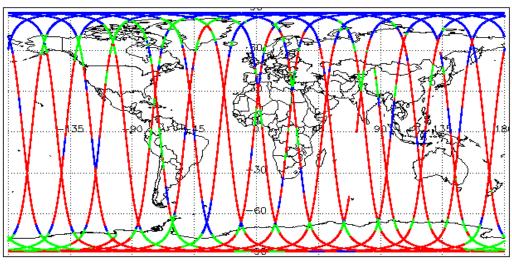
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	See Section 5.2	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7	See Section 6.6, 6.7
Ocean Retracking Quality Check	See Section 5.8	See Section 6.8

Mission / Instrument News		
26-Mar-2018	None	
27-Mar-2018	None	
28-Mar-2018	Nothing planned	

# 2. Global Coverage









# 3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

# 4. IOP Level 1B Data Quality Check

# 4.1 L1B Product Format Check

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

Number of products with errors:

0

### 4.2 L1B Product Header Analysis

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

#### 4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

#### 4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

(

### 4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20180327T202412_20180327T203125_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

## 4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

21

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20180327T040636_20180327T040745_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180327T075720_20180327T081300_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180327T092503_20180327T093432_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180327T004940_20180327T004956_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180327T014659_20180327T014953_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180327T023759_20180327T024259_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180327T035633_20180327T035836_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180327T040822_20180327T040918_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180327T072736_20180327T072851_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180327T090250_20180327T090804_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180327T100048_20180327T100701_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180327T104253_20180327T104651_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180327T173315_20180327T173433_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180327T222514_20180327T222726_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180327T022526_20180327T023758_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180327T053625_20180327T053732_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180327T054110_20180327T054549_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180327T073825_20180327T074133_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180327T103921_20180327T104148_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180327T140206_20180327T141105_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180327T172905_20180327T172936_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:

Product	Test Failed
CS_OFFL_SIR_IOPN_2_20180327T000248_20180327T000251_C001	Percentage of processing errors detected greater than minimum acceptable threshold.

#### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

## 5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

### 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180327T202412_20180327T203125_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

# 5.6 L2 Range Measurement Check

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

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

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

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

Number of products with errors: 89		
Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180327T000252_20180327T000855_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T001110_20180327T003724_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T010822_20180327T011941_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T012515_20180327T013711_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T014243_20180327T014659_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T015001_20180327T022005_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T024259_20180327T025854_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T030216_20180327T031617_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T032154_20180327T032736_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T032854_20180327T033518_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T040636_20180327T040745_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T042103_20180327T045537_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T050058_20180327T050610_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T050754_20180327T052747_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T055945_20180327T063326_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T063847_20180327T064057_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T064721_20180327T072335_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T072607_20180327T072736_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T074134_20180327T075032_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T075513_20180327T075655_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T075720_20180327T081300_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T081435_20180327T081956_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T082015_20180327T082222_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T082720_20180327T082741_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T083110_20180327T084332_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T084529_20180327T085752_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T085956_20180327T090212_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T092503_20180327T093432_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T093635_20180327T095212_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T095401_20180327T095856_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T095931_20180327T100047_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T100701_20180327T100949_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T102643_20180327T103757_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T111448_20180327T113119_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T113343_20180327T113823_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T114406_20180327T120811_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T124421_20180327T125300_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T130602_20180327T131054_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T131246_20180327T131723_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T132328_20180327T133539_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T134114_20180327T135108_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T135303_20180327T135557_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T142259_20180327T145028_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

Description of the contract of		Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
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Search Rumby 2, 2018/02/2719582 (2018/02/2719583 (2018/02/2719583 (2018/02/2719583 (2018/02/2719583 (2018/02/271958) (2018/02/2719583 (2018/02/271958) (2018/02/2719583 (2018/02/271958) (2018/02/2719583 (2018/02/271958) (2018/02/2719583 (2018/02/271958) (2018/02/2719583 (2018/02/271958) (2018/02/271958) (2018/02/2719583 (2018/02/271958) (2018/02	CS_OFFL_SIR_IOPM_2_20180327T170759_20180327T171707_C001	Ocean Range Averaging Status	
Sec. OFFL_SER_LOPPL_2.201003277130542_2010032771305160_2000  CS. OFFL_SER_LOPPL_2.201003277130560_2000  CS. OFFL_SER_LOPPL_2.201003277130560_2000  CS. OFFL_SER_LOPPL_2.201003277130560_2000  CS. OFFL_SER_LOPPL_2.201003277130560_2000  CS. OFFL_SER_LOPPL_2.201003277130500_201003277130500_2000  CS. OFFL_SER_LOPPL_2.201003277130500_201003277130500_2000  CS. OFFL_SER_LOPPL_2.201003277130500_201003277130500_2000  CS. OFFL_SER_LOPPL_2.201003277130500_201003277130500_2000  CS. OFFL_SER_LOPPL_2.201003277130500_201003277130500_2000  CS. OFFL_SER_LOPPL_2.201003277130500_201003277130500_2000  CS. OFFL_SER_LOPPL_2.201003277130500_2000  CS. OFFL_SER_LOPPL_2.201003277130500_2000277130500_2000  CS. OFFL_SER_LOPPL_2.201003277130500_2000277130500_2000  CS. OFFL_SER_LOPPL_2.201003277130500_2000277130500_2000  CS. OFFL_SER_LOPPL_2.201003277130500_2000277130500_2000  CS. OFFL_SER_LOPPL_2.201003277130500_2000277130500_20000277130500_2000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20180327T172936_20180327T173315_C001	Ocean Range Averaging Status	
CS_OFFL_SR_LOPM_2_2010027719222_20100277192032_0001  CS_OFFL_SR_LOPM_2_2010027719222_20100277192032_0001  CS_OFFL_SR_LOPM_2_20100277192032_20100277192032_0001  CS_OFFL_SR_LOPM_2_20100277192032_20100277192032_0001  CS_OFFL_SR_LOPM_2_20100277192032_20100277192032_0001  CS_OFFL_SR_LOPM_2_20100277192032_20100277192032_0001  CS_OFFL_SR_LOPM_2_20100277192032_20100277192032_0001  CS_OFFL_SR_LOPM_2_20100277192032_20100277192032_0001  CS_OFFL_SR_LOPM_2_20100277192032_20100277192032_0001  CS_OFFL_SR_LOPM_2_201002772032032_20100277192032_0001  CS_OFFL_SR_LOPM_2_201002772032032_20100277192032_0001  CS_OFFL_SR_LOPM_2_201002772032032_2010027710032_0001  CS_OFFL_SR_LOPM_2_201002772032032_20100277203032_0001  CS_OFFL_SR_LOPM_2_201002772032032_20100277203032_0001  CS_OFFL_SR_LOPM_2_201002772032032_20100277203032_0001  CS_OFFL_SR_LOPM_2_20100277203032_2010027003032_0001  CS_OFFL_SR_LOPM_2_20100277203032_2010027003032_0001  CS_OFFL_SR_LOPM_2_20100277203032_2010027003032_0001  CS_OFFL_SR_LOPM_2_20100277203032_2010027003032_0001  CS_OFFL_SR_LOPM_2_20100277203032_20100207003032_0001  CS_OFFL_SR_LOPM_2_20100277203032_20100207003032_0001  CS_OFFL_SR_LOPM_2_20100277203032_20100207003032_0001  CS_OFFL_SR_LOPM_2_20100277203032_20100207003032_0001  CS_OFFL_SR_LOPM_2_20100277203032_201002077120300_0001  CS_OFFL_SR_LOPM_2_20100277203032_201002077120300_0001  CS_OFFL_SR_LOPM_2_20100277203032_201002077120300_0001  CS_OFFL_SR_LOPM_2_20100277203032_201002077120300_0001  CS_OFFL_SR_LOPM_2_20100277203032_2010020771203032_0001  CC_OFFL_SR_LOPM_2_201002771203032_2010020771203032_0001  CC_OFFL_SR_LOPM_2_201002771203032_2010020771203032_0001  CC_OFFL_SR_LOPM_2_201002771203032_2010020771203032_0001  CC_OFFL_SR_LOPM_2_201002771203032_2010020771203032_0001  CC_OFFL_SR_LOPM_2_201002771203032_2010020771203032_0001  CC_OFFL_SR_LOPM_2_201002771203032_2010020771203032_0001  CC_OFFL_SR_LOPM_2_201002771203032_2010020771203032_0001  CC_OFFL_SR_LOPM_2_201002771203032_2010020771203032_0001  CC_OFFL_SR_LOPM_2_201002771203032_2010020771203032_0001  CC_OFFL_SR_LOPM_	CS_OFFL_SIR_IOPM_2_20180327T174914_20180327T175403_C001	Ocean Range Averaging Status	
SC. CPFL_SRL_DPML_20160327718263_20160337718438_C001  CS. CPFL_SRL_DPML_20160327718430_20160337718438_C001  CS. CPFL_SRL_DPML_20160327718470_20160337718438_C001  CS. CPFL_SRL_DPML_20160327718470_20160337718470_C001  CS. CPFL_SRL_DPML_20160327718470_20160327718470_C001  CS. CPFL_SRL_DPML_20160327710470_20160327718470_C001  CS. CPFL_SRL_DPML_20160327710470_201603277104102_C001  CS. CPFL_SRL_DPML_20160327710470_201603277104104_C001  CS. CPFL_SRL_DPML_20160327710470_201603277124380_C001  CS. CPFL_SRL_DPML_20160327710470_201603277124380_C001  CS. CPFL_SRL_DPML_201603277104062_C00160277104840_C001  CS. CPFL_SRL_DPML_201603277121440_C0010  CS. CPFL_SRL_DPML_201603277121440_C0160327712446_C001  CS. CPFL_SRL_DPML_201603277122430_C0160327712446_C001  CS. CPFL_SRL_DPML_201603277121430_C0160327712446_C001  CS. CPFL_SRL_DPML_201603277121430_C0160327712446_C001  CS. CPFL_SRL_DPML_201603277121430_C01603277124460_C001  CS. CPFL_SRL_DPML_201603277121430_C01603277124460_C001  CS. CPFL_SRL_DPML_201603277121430_C01603277124460_C001  CS. CPFL_SRL_DPML_201603277124360_C01603277124460_C001  CS. CPFL_SRL_DPML_2016032777124460_C01603277124460_C001  CS. CPFL_SRL_DPML_2016032777124460_C016032777124460_C01603277124	CS_OFFL_SIR_IOPM_2_20180327T175551_20180327T180856_C001	Ocean Range Averaging Status	
CS_OFFL_SR_JOPM_2_20180327719472_0000327719473_001  CS_OFFL_SR_JOPM_2_20180327719470_20190327719473_001  CS_OFFL_SR_JOPM_2_20180327719470_20190327719073_001  CS_OFFL_SR_JOPM_2_20180327719570_20190327719073_001  CS_OFFL_SR_JOPM_2_20180327719073_00190327719073_001  CS_OFFL_SR_JOPM_2_20180327719073_00190327719073_001  CS_OFFL_SR_JOPM_2_2018032771007_20190327710073_001  CS_OFFL_SR_JOPM_2_2018032771007_20190327710073_001  CS_OFFL_SR_JOPM_2_20180327710077_20190327720072_001  CS_OFFL_SR_JOPM_2_20180327710077_20190327720072_001  CS_OFFL_SR_JOPM_2_20180327720077_20190327720072_001  CS_OFFL_SR_JOPM_2_20180327720072_00100277212007_001  CS_OFFL_SR_JOPM_2_20180327720072_00100277200707_001  CS_OFFL_SR_JOPM_2_201803277200707_0	CS_OFFL_SIR_IOPM_2_20180327T181130_20180327T181602_C001	Ice Range Averaging Status	
CS. CPFL_SR_LOPM_2.20180327710470_20180327710472_C010  CS. CPFL_SR_LOPM_2.20180327710470_20180327710472_C010  CS. CPFL_SR_LOPM_2.201803277104572_C010  CS. CPFL_SR_LOPM_2.201803277104572_C010  CS. CPFL_SR_LOPM_2.201803277104572_C0103277105703_C010  CS. CPFL_SR_LOPM_2.201803277104572_C01030327703152_C010  CS. CPFL_SR_LOPM_2.201803277104572_C0180327703152_C010  CS. CPFL_SR_LOPM_2.201803277104572_C0180327703152_C010  CS. CPFL_SR_LOPM_2.201803277105472_C0180327703152_C010  CS. CPFL_SR_LOPM_2.201803277105472_C0180327703152_C010  CS. CPFL_SR_LOPM_2.201803277105472_C0180327703152_C010  CS. CPFL_SR_LOPM_2.201803277105472_C0180327703152_C010  CS. CPFL_SR_LOPM_2.201803277105472_C01803277105472_C010  CS. CPFL_SR_LOPM_2.201803277105472_C01803277105472_C010  CS. CPFL_SR_LOPM_2.201803277105472_C01803277105472_C010  CS. CPFL_SR_LOPM_2.201803277105472_C01803277105472_C010  CS. CPFL_SR_LOPM_2.2018032771210572_C01803277105472_C010  CS. CPFL_SR_LOPM_2.201803277121057_C01803277105472_C010  CS. CPFL_SR_LOPM_2.201803277121057_C01803277105472_C010  CS. CPFL_SR_LOPM_2.201803277121057_C01803277105472_C0100  CS. CPFL_SR_LOPM_2.201803277121057_C01803277121050_C010  CS. CPFL_SR_LOPM_2.201803277121057_C01803277121050_C010  CS. CPFL_SR_LOPM_2.201803277121057_C01803277121050_C010  CS. CPFL_SR_LOPM_2.201803277121057_C01803277121050_C010  CS. CPFL_SR_LOPM_2.201803277121057_C01803277121050_C010  CS. CPFL_SR_LOPM_2.201803277121057_C01803277121050_C010  CS. CPFL_SR_LOPM_2.201803277120557_C01803277121050_C010  CS. CPFL_SR_LOPM_2.201803277120557_C01803277121050_C010  CS. CPFL_SR_LOPM_2.201803277120557_C01803277120505_C010  CS. CPFL_SR_LOPM_2.201803277120552_C01803277120505_C010  CS. CPFL_SR_LOPM_2.201803277120552_C01803277120505_C010  CS. CPFL_SR_LOPM_2.201803277120552_C01803277120505_C010  CS. CPFL_SR_LOPM_2.201803277120552_C01803277120505_C010  CS. CPFL_SR_LOPM_2.201803277120552_C01803277120505_C010  CS. CPFL_SR_LOPM_2.201803277120552_C01803277120505_C010  CS. CPFL_SR_LOPM_2.201803277120505_C01803277120505_C010  CS. CPFL_SR_LOPM_2.201803277120505_	CS_OFFL_SIR_IOPM_2_20180327T182122_20180327T182816_C001	Ocean Range Averaging Status	
SO JPTL_SR_JOPM_2_0180327719470_0180327719505_C010  CS_OPFL_SR_JOPM_2_0180327719505_C0180327719505_C010  CS_OPFL_SR_JOPM_2_0180327719505_C0180327719505_C010  CS_OPFL_SR_JOPM_2_0180327710047_0180327700135_C010  CS_OPFL_SR_JOPM_2_0180327710047_0180327700135_C010  CS_OPFL_SR_JOPM_2_018032772047_0180327700135_C010  CS_OPFL_SR_JOPM_2_018032772047_0180327700135_C010  CS_OPFL_SR_JOPM_2_018032772047_0180327700135_C010  CS_OPFL_SR_JOPM_2_018032772047_0180327720515_C010  CS_OPFL_SR_JOPM_2_018032772049_0180327720515_C010  CS_OPFL_SR_JOPM_2_0180327720549_0180327720515_C010  CS_OPFL_SR_JOPM_2_0180327720549_0180327720515_C010  CS_OPFL_SR_JOPM_2_0180327720549_0180327720540_C010  CS_OPFL_SR_JOPM_2_0180327720549_0180327720540_C010  CS_OPFL_SR_JOPM_2_0180327720549_0180327720540_C010  CS_OPFL_SR_JOPM_2_0180327720549_0180327720540_C010  CS_OPFL_SR_JOPM_2_0180327720540_C010  CS_OPFL_SR_JOPM_2_0180327720540_C010  CS_OPFL_SR_JOPM_2_0180327720540_C010  CS_OPFL_SR_JOPM_2_0180327720540_C010  CS_OPFL_SR_JOPM_2_0180327720540_C010  CS_OPFL_SR_JOPM_2_0180327720540_C010  CS_OPFL_SR_JOPM_2_0180327720540_C01003277224100_C011  CS_OPFL_SR_JOPM_2_0180327720540_C010032772241000_C0180327700000_C0180327700000_C0180327700000_C0180327700000_C0180327700000_C0180327700000_C018032770000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20180327T182826_20180327T185433_C001	Ocean Range Averaging Status	
CS_OFFL_SR_JOPM_2_2018032719832_2018032719832_0001  Osen Range Averaging Status  Too Cases Range Averaging S	CS_OFFL_SIR_IOPM_2_20180327T191431_20180327T194339_C001	Ocean Range Averaging Status	
SO GPFL_SIR_JOPM_2_20180327119322_201803271291832_C001  CS_OFFL_SIR_JOPM_2_20180327120047_201803271291832_C001  CS_OFFL_SIR_JOPM_2_20180327120047_201803271201802_C001  CS_OFFL_SIR_JOPM_2_20180327120047_201803271201802_C001  CS_OFFL_SIR_JOPM_2_20180327120048_20180327120582_C001  CS_OFFL_SIR_JOPM_2_20180327120048_20180327120583_C001  CS_OFFL_SIR_JOPM_2_20180327120048_20180327120583_C001  CS_OFFL_SIR_JOPM_2_201803271201802_C0180327120583_C001  CS_OFFL_SIR_JOPM_2_201803271210497_201803271213018_C001  CS_OFFL_SIR_JOPM_2_201803271210497_201803271213018_C001  CS_OFFL_SIR_JOPM_2_201803271210497_201803271213018_C001  CS_OFFL_SIR_JOPM_2_201803271210497_201803271213018_C001  CS_OFFL_SIR_JOPM_2_201803271210497_201803271213018_C001  CS_OFFL_SIR_JOPM_2_201803271210497_201803271213018_C001  CS_OFFL_SIR_JOPM_2_201803271210497_20180327121249_C001  CS_OFFL_SIR_JOPM_2_201803271210497_20180327121249_C001  CS_OFFL_SIR_JOPM_2_20180327120407_20180327122400_C001  CS_OFFL_SIR_JOPM_2_20180327120407_20180327122400_C001  CS_OFFL_SIR_JOPM_2_20180327120407_20180327122400_C001  CS_OFFL_SIR_JOPM_2_20180327120407_20180327122400_C001  CS_OFFL_SIR_JOPM_2_20180327120407_20180327122400_C001  CS_OFFL_SIR_JOPM_2_2018032712000_20180327120400_C001  CS_OFFL_SIR_JOPM_2_2018032712000_20180327120400_C001  CS_OFFL_SIR_JOPM_2_2018032712000_20180327120400_C001  CS_OFFL_SIR_JOPM_2_2018032712000_20180327120400_C001  CS_OFFL_SIR_JOPM_2_2018032712000_20180327120400_C001  CS_OFFL_SIR_JOPM_2_20180327100000_201803271000000_C001  CS_OFFL_SIR_JOPM_2_20180327100000_201803271000000_C001  CS_OFFL_SIR_JOPM_2_20180327100000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20180327T194700_20180327T194723_C001	Ocean Range Averaging Status	
CS_OFF_SIR_IOPM_2_20180327720412_20180327720526_001  CS_OFF_SIR_IOPM_2_201803277204710_20180327720525_0001  CS_OFF_SIR_IOPM_2_201803277204710_20180327720526_001  CS_OFF_SIR_IOPM_2_20180327720524_20180327720525_0001  CS_OFF_SIR_IOPM_2_20180327720524_20180327720525_0001  CS_OFF_SIR_IOPM_2_201803277205610_20180327720545_0001  CS_OFF_SIR_IOPM_2_201803277205610_20180327720545_0001  CS_OFF_SIR_IOPM_2_2018032772105_201803277205010  CS_OFF_SIR_IOPM_2_2018032772105_2018032772125010  CS_OFF_SIR_IOPM_2_2018032772105_2018032772125010  CS_OFF_SIR_IOPM_2_20180327721305_0001  CS_OFF_SIR_IOPM_2_20180327721305_0001  CS_OFF_SIR_IOPM_2_20180327721305_0001  CS_OFF_SIR_IOPM_2_20180327721305_0001  CS_OFF_SIR_IOPM_2_20180327721305_0001  CS_OFF_SIR_IOPM_2_20180327721305_0001  CS_OFF_SIR_IOPM_2_20180327721305_0001  CS_OFF_SIR_IOPM_2_20180327721305_0001  CS_OFF_SIR_IOPM_2_20180327723305_001803277223100  CS_OFF_SIR_IOPM_2_20180327723305_00180327723406_001  CS_OFF_SIR_IOPM_2_201803277230005_201803277230001  CS_OFF_SIR_IOPM_2_201803277230005_201803277230001  CS_OFF_SIR_IOPM_2_201803277230005_201803277230000_201803277230001  CS_OFF_SIR_IOPM_2_201803277230005_201803277230001  CS_OFF_SIR_IOPM_2_201803277130005_201803277230000_201803277230001  CS_OFF_SIR_IOPM_2_2018032771300005_20180327713000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20180327T195315_20180327T195508_C001	Ice Range Averaging Status	
CS_OFFL_SIR_LOPM_2_20180327T20470_20180327T20515_C001  CS_OFFL_SIR_LOPM_2_20180327T205260_20180327T205545_C001  CS_OFFL_SIR_LOPM_2_20180327T205610_20180327T205545_C001  CS_OFFL_SIR_LOPM_2_20180327T205610_20180327T210511_C001  CS_OFFL_SIR_LOPM_2_20180327T205610_20180327T210511_C001  CS_OFFL_SIR_LOPM_2_20180327T2105545_C0180327T210511_C001  CS_OFFL_SIR_LOPM_2_20180327T2105545_C0180327T210511_C001  CS_OFFL_SIR_LOPM_2_20180327T2105545_C0180327T210510_C001  CS_OFFL_SIR_LOPM_2_20180327T214057_20180327T210500_C001  CS_OFFL_SIR_LOPM_2_20180327T214057_20180327T2120500_C001  CS_OFFL_SIR_LOPM_2_20180327T214057_20180327T2120500_C001  CS_OFFL_SIR_LOPM_2_20180327T214057_20180327T2120500_C001  CS_OFFL_SIR_LOPM_2_20180327T2120552_C0180327T2120500_C001  CS_OFFL_SIR_LOPM_2_20180327T2120552_C0180327T2120500_C001  CS_OFFL_SIR_LOPM_2_20180327T2120552_C0180327T2120500_C001  CS_OFFL_SIR_LOPM_2_20180327T203052_C0180327T2120500_C001  CS_OFFL_SIR_LOPM_2_20180327T203052_C0180327T220500_C001  CS_OFFL_SIR_LOPM_2_20180327T203052_C0180327T220500_C001  CS_OFFL_SIR_LOPM_2_20180327T203052_C0180327T230784_C001  CS_OFFL_SIR_LOPM_2_20180327T203050_C0180327T230784_C001  CS_OFFL_SIR_LOPM_2_20180327T203050_C0180327T230784_C001  CS_OFFL_SIR_LOPM_2_20180327T203050_C0180327T230505_C001  CS_OFFL_SIR_LOPM_2_20180327T005050_C0180327T05050_C001  CS_OFFL_SIR_LOPM_2_20180327T005050_C0180327T105050_C001  CS_OFFL_SIR_LOPM_2_20180327T005050_C0180327T105050_C001  CS_OFFL_SIR_LOPM_2_20180327T105050_C01001  CS_OFFL_SIR_LOPM_2_20180327T105050_C0101  CS_OFFL_SIR_LOPM_2_20180327T105050_C0101  CS_OFFL_SIR_LOPM_2_20180327T105050_C01001  CS_OFFL_SIR_LOPM_2_20180327T105050_C0101  CS_OFFL_SIR_LOPM_2_20	CS_OFFL_SIR_IOPM_2_20180327T195823_20180327T195933_C001	Ice Range Averaging Status	
CS_OFFL_SIR_IOPM_2_201803277120540_20180327720545_C001  CS_OFFL_SIR_IOPM_2_20180327720540_201803277215505_C001  CS_OFFL_SIR_IOPM_2_20180327720540_201803277215252_C001  CS_OFFL_SIR_IOPM_2_201803277210545_201803277215252_C001  CS_OFFL_SIR_IOPM_2_201803277210545_C01803277215252_C001  CS_OFFL_SIR_IOPM_2_2018032772104072_C01803277215250_C001  CS_OFFL_SIR_IOPM_2_2018032772104072_C01803277215250_C001  CS_OFFL_SIR_IOPM_2_2018032772104072_C01803277215250_C001  CS_OFFL_SIR_IOPM_2_2018032772104072_C0180327721240001  CS_OFFL_SIR_IOPM_2_2018032772105040_C001  CS_OFFL_SIR_IOPM_2_201803277224050_C001  CS_OFFL_SIR_IOPM_2_201803277224050_C001  CS_OFFL_SIR_IOPM_2_201803277225350_201803277221240_C001  CS_OFFL_SIR_IOPM_2_201803277223550_C01803277224046_C001  CS_OFFL_SIR_IOPM_2_20180327722400_C001  CS_OFFL_SIR_IOPM_2_201803277225350_C01803277224046_C001  CS_OFFL_SIR_IOPM_2_20180327722050_C01803277224046_C001  CS_OFFL_SIR_IOPM_2_20180327722050_C01803277224060_C001  CS_OFFL_SIR_IOPM_2_20180327722050_C01803277224060_C001  CS_OFFL_SIR_IOPM_2_20180327722050_C0180327723042_C001  CS_OFFL_SIR_IOPM_2_20180327722050_C0180327723042_C001  CS_OFFL_SIR_IOPM_2_20180327723050_C01803277234326_C001  CS_OFFL_SIR_IOPM_2_20180327723050_C01803277234326_C001  CS_OFFL_SIR_IOPM_2_20180327723050_C01803277034050_C001  CS_OFFL_SIR_IOPM_2_20180327703050_C01803277034050_C001  CS_OFFL_SIR_IOPM_2_20180327703050_C01803277034050_C001  CS_OFFL_SIR_IOPM_2_201803277050510_C0180327705050_C001  CS_OFFL_SIR_IOPM_2_2018032771305050_C0180327705050_C001  CS_OFFL_SIR_IOPM_2_20180327715050510_C0180327705050_C001  CS_OFFL_SIR_IOPM_2_20180327715050510_C01803277105050_C001  CS_OFFL_SIR_IOPM_2_20180327715050510_C01803277105050_C001  CS_OFFL_SIR_IOPM_2_20180327715050510_C01803277105050_C01803277105050_C01803277105050_C01803277105050_C01803277105050_C01803277105050_C01803277105050_C01803277105050_C01803277105050_C01803277105050_C01803277105050_C01803277105050_C01803277105050_C01803277105050_C01803277105050_C01803277105050_C01803277105050_C01803277105050_C01803277105050_C01803277105	CS_OFFL_SIR_IOPM_2_20180327T200147_20180327T201932_C001	Ocean Range Averaging Status	
GS_OFFL_SIR_IOPM_2_201803277210549_201803277215910_COULD Coen Range Averaging Status  CS_OFFL_SIR_IOPM_2_201803277210545_201803277215910_COULD Coen Range Averaging Status  CS_OFFL_SIR_IOPM_2_201803277213457_201803277213918_COULD Coen Range Averaging Status  CS_OFFL_SIR_IOPM_2_201803277213457_201803277213918_COULD Coen Range Averaging Status  CS_OFFL_SIR_IOPM_2_201803277214057_201803277213918_COULD Coen Range Averaging Status  CS_OFFL_SIR_IOPM_2_201803277214057_201803277213918_COULD Coen Range Averaging Status  CS_OFFL_SIR_IOPM_2_201803277214057_201803277213918_COULD Coen Range Averaging Status  CS_OFFL_SIR_IOPM_2_201803277214057_201803277221449_COULD Coen Range Averaging Status  CS_OFFL_SIR_IOPM_2_201803277224302_COULD Coen Range Averaging Status  CS_OFFL_SIR_IOPM_2_201803277224302_COULD Coen Range Averaging Status  CS_OFFL_SIR_IOPM_2_201803277224302_COULD Coen Range Averaging Status  CS_OFFL_SIR_IOPM_2_201803277226302_201803277230724_COULD Coen Range Averaging Status  CS_OFFL_SIR_IOPM_2_201803277230062_201803277231825_COULD Coen Range Averaging Status  CS_OFFL_SIR_IOPM_2_201803277230062_201803277231825_COULD Coen Range Averaging Status  CS_OFFL_SIR_IOPM_2_201803277230062_201803277230074_COULD Coen Range Averaging Status  CS_OFFL_SIR_IOPM_2_201803277230062_201803277230062_001  CS_OFFL_SIR_IOPM_2_201803277130062_201803277130062_001  CS_OFFL_SIR_IOPM_2_201803277130062_201803277130062_001  CS_OFFL_SIR_IOPM_2_201803277130062_201803277130062_001  CS_OFFL_SIR_IOPM_2_201803277130062_201803277130062_001  CS_OFFL_SIR_IOPM_2_201803277130062_201803277130062_001  CS_OFFL_SIR_IOPM_2_201803277130062_201803277064520_COULD Coen Range Averaging Status  CS_OFFL_SIR_IOPM_2_201803277130440_001803277134400_001  CS_OFFL_SIR_IOPM_2_201803277130062_201803277130062_001  CS_OFFL_SIR_IOPM_2_201803277130062_201803277130062_001  CS_OFFL_SIR_IOPM_2_201803277130062_201803277130062_001  CS_OFFL_SIR_IOPM_2_201803277130062_201803277130062_001  CS_OFFL_SIR_IOPM_2_201803277130062_201803277130062_001  CS_OFFL_SIR_IOPM_2_201803277130062_20180327710	CS_OFFL_SIR_IOPM_2_20180327T202412_20180327T203125_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_IOPM_2_20180327T12052816_20180327T1205816_201031_CODE  CS_OFFL_SIR_IOPM_2_20180327T12052816_20180327T125289_CO01  CS_OFFL_SIR_IOPM_2_20180327T12052_0180327T125289_CO01  CS_OFFL_SIR_IOPM_2_20180327T12052_0180327T125289_CO01  CS_OFFL_SIR_IOPM_2_20180327T12457_20180327T125289_CO01  CS_OFFL_SIR_IOPM_2_20180327T21495_20180327T125289_CO01  CS_OFFL_SIR_IOPM_2_20180327T22495_20180327T22449_CO01  CS_OFFL_SIR_IOPM_2_20180327T22539_20180327T22449_CO01  CS_OFFL_SIR_IOPM_2_20180327T22539_20180327T22440_CO01  CS_OFFL_SIR_IOPM_2_20180327T22539_20180327T22440_CO01  CS_OFFL_SIR_IOPM_2_20180327T22539_20180327T22440_CO01  CS_OFFL_SIR_IOPM_2_20180327T22539_20180327T32472_CO01  CS_OFFL_SIR_IOPM_2_20180327T22539_20180327T325725_CO01  CS_OFFL_SIR_IOPM_2_20180327T329582_20180327T325725_CO01  CS_OFFL_SIR_IOPM_2_20180327T329582_20180327T325328_CO01  CS_OFFL_SIR_IOPM_2_20180327T3250501_20180327T050736_CO01  CS_OFFL_SIR_IOPM_2_20180327T1050510_20180327T324328_CO01  CS_OFFL_SIR_IOPM_2_20180327T3250501_20180327T050736_CO01  CS_OFFL_SIR_IOPM_2_20180327T1050510_20180327T324328_CO01  CS_OFFL_SIR_IOPM_2_20180327T1050510_20180327T050736_CO01  CS_OFFL_SIR_IOPM_2_20180327T1050510_20180327T1050500_CO01  CS_OFFL_SIR_IOPM_2_2018	CS_OFFL_SIR_IOPM_2_20180327T204710_20180327T205027_C001	Ice Range Averaging Status	
CS_OFFL_SIR_JOPM_2_20180327T21905_20180327T21959_CO01  CS_OFFL_SIR_JOPM_2_20180327T21957_20180327T213918_CO01  CS_OFFL_SIR_JOPM_2_20180327T214057_20180327T213918_CO01  CS_OFFL_SIR_JOPM_2_20180327T214057_20180327T21490_CO01  CS_OFFL_SIR_JOPM_2_20180327T214057_20180327T214050_CO01  CS_OFFL_SIR_JOPM_2_20180327T214057_20180327T214050_CO01  CS_OFFL_SIR_JOPM_2_20180327T214057_20180327T221405_CO01  CS_OFFL_SIR_JOPM_2_20180327T214057_20180327T221405_CO01  CS_OFFL_SIR_JOPM_2_20180327T22405_CO01  CS_OFFL_SIR_JOPM_2_20180327T22405_CO01  CS_OFFL_SIR_JOPM_2_20180327T22405_CO01  CS_OFFL_SIR_JOPM_2_20180327T22405_CO01  CS_OFFL_SIR_JOPM_2_20180327T22405_CO01  CS_OFFL_SIR_JOPM_2_20180327T20505_20180327T23405_CO01  CS_OFFL_SIR_JOPM_2_20180327T20505_CO0180327T234328_CO01  CS_OFFL_SIR_JOPM_2_20180327T20505_CO0180327T050506_CO01  CS_OFFL_SIR_JOPM_2_20180327T1050505_CO0180327T050500_CO01  CS_OFFL_SIR_JOPM_2_20180327T1050505_CO0180327T1050500_CO01  CS_OFFL_SIR_JOPM_2_20180327T1050505_CO0180327T1050505_CO01  CS_OFFL_SIR_JOPM_2_20180327T1050505_CO0180327T1050505_CO01  CS_OFFL_SIR_JOPM_2_2018032	CS_OFFL_SIR_IOPM_2_20180327T205249_20180327T205543_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_JOPM_2_20180327121405_201803271215800_C001  CS_OFFL_SIR_JOPM_2_201803271214057_201803271212409_C001  CS_OFFL_SIR_JOPM_2_20180327121545_20180327122409_C001  CS_OFFL_SIR_JOPM_2_2018032712545_20180327122409_C001  CS_OFFL_SIR_JOPM_2_20180327122409_C001  CS_OFFL_SIR_JOPM_2_20180327122409_C001  CS_OFFL_SIR_JOPM_2_20180327122409_C00180327122409_C001  CS_OFFL_SIR_JOPM_2_2018032712409_20180327122409_C001  CS_OFFL_SIR_JOPM_2_2018032712409_20180327122409_C001  CS_OFFL_SIR_JOPM_2_2018032712409_2018032712409_C001  CS_OFFL_SIR_JOPM_2_2018032712409_201803271230724_C001  CS_OFFL_SIR_JOPM_2_2018032712309_20180327123092_C001  CS_OFFL_SIR_JOPM_2_2018032712309_201803271234328_C001  CS_OFFL_SIR_JOPM_2_2018032712309_201803271234328_C001  CS_OFFL_SIR_JOPM_2_2018032712309_201803271234328_C001  CS_OFFL_SIR_JOPM_2_2018032712309_201803271234328_C001  CS_OFFL_SIR_JOPM_2_2018032712309_201803271234328_C001  CS_OFFL_SIR_JOPM_2_201803271309_20180327109500_C001  CS_OFFL_SIR_JOPM_2_20180327109509_20180327109500_C001  CS_OFFL_SIR_JOPM_2_20180327109509_20180327109500_C001  CS_OFFL_SIR_JOPM_2_2018032711308_2018032711308_C001  CS_OFFL_SIR_JOPM_2_2018032711308_20180327104082_C001  CS_OFFL_SIR_JOPM_2_20180327113408_20180327104082_C001  CS_OFFL_SIR_JOPM_2_20180327113408_20180327104082_C001  CS_OFFL_SIR_JOPM_2_20180327113408_20180327104082_C001  CS_OFFL_SIR_JOPM_2_20180327113408_20180327104082_C001  CS_OFFL_SIR_JOPM_2_20180327113408_20180327104082_C001  CS_OFFL_SIR_JOPM_2_20180327114095_20180327104082_C001  CS_OFFL_SIR_JOPM_2_20180327114095_20180327104082_C001  CS_OFFL_SIR	CS_OFFL_SIR_IOPM_2_20180327T205616_20180327T210811_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_JOPM_2_20180327T214957_20180327T215905_C001  CS_OFFL_SIR_JOPM_2_20180327T215905_20180327T215905_OT80027T15905_OT80027T215905_OT80	CS_OFFL_SIR_IOPM_2_20180327T211025_20180327T212529_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_JOPM_2_20180327T125492_20180327T12449_C001  CS_OFFL_SIR_JOPM_2_20180327T22439_C001  CS_OFFL_SIR_JOPM_2_20180327T22439_C001  CS_OFFL_SIR_JOPM_2_20180327T22439_C001  CS_OFFL_SIR_JOPM_2_20180327T22439_C001  CS_OFFL_SIR_JOPM_2_20180327T230952_20180327T23182_C001  CS_OFFL_SIR_JOPM_2_20180327T230952_20180327T23182_C001  CS_OFFL_SIR_JOPM_2_20180327T230952_20180327T23182_C001  CS_OFFL_SIR_JOPM_2_20180327T230952_20180327T23482_C001  CS_OFFL_SIR_JOPM_2_20180327T080610_20180327T09506_C001  CS_OFFL_SIR_JOPM_2_20180327T092059_20180327T09506_C001  CS_OFFL_SIR_JOPM_2_20180327T092059_20180327T09506_C001  CS_OFFL_SIR_JOPM_2_20180327T09506_20180327T09506_C001  CS_OFFL_SIR_JOPM_2_20180327T09506_20180327T09506_C001  CS_OFFL_SIR_JOPM_2_20180327T132108_20180327T09506_C001  CS_OFFL_SIR_JOPM_2_20180327T132008_20180327T09506_C001  CS_OFFL_SIR_JOPM_2_20180327T132008_20180327T09506_C001  CS_OFFL_SIR_JOPM_2_20180327T132008_20180327T132008_C001  CS_OFFL_SIR_JOPM_2_20180327T132008_20180327T132006_C001  CS_OFFL_SIR_JOPM_2_20180327T132008_20180327T132006_C001  CS_OFFL_SIR_JOPM_2_20180327T132008_20180327T132006_C001  CS_OFFL_SIR_JOPM_2_20180327T132008_20180327T132006_C001  CS_OFFL_SIR_JOPM_2_20180327T132008_20180327T132006_C001  CS_OFFL_SIR_JOPM_2_20180327T132008_20180327T132006_C001  CS_OFFL_SIR_JOPM_2_20180327T1407045_20180327T1407045_C001  CS_OFFL_SIR_JOPM_2_20180327T108433_20180327T1084529_C001  CS_OFFL_SIR_JOPM_2_20180327T108433_20180327T1084529_C001  CS_OFFL_SIR_JOPM_2_20180327T108433_20180327T1084529_C001  CS_OFFL_SIR_JOPM_2_20180327T108433_20180327T1084529_C001  CS_OFFL_SIR_JOPM_2_20180327T108433_20180327T108459_C001  CS_OFFL_SIR_JOPM_2_20180327T108433_20180327T108459_C001  CS_OFFL_SIR_JOPM_2_20180327T114405_C001  CS_OFFL_SIR_JOPM_2_20180327T114405_C001  CS_OFFL_SIR_JOPM_2_20180327T12529_20180327T125203_C001  CS_OFFL_SIR_JOPM_2_20180327T125203_C0180327T108459_C001  CS_OFFL_SIR_JOPM_2_20180327T108433_20180327T108459_C001  CS_OFFL_SIR_JOPM_2_20180327T108433_C0180327T108459_C001  CS_OFFL_SIR_JOPM_2_20180327T104044_0_C0180327T1	CS_OFFL_SIR_IOPM_2_20180327T213457_20180327T213918_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180327722439_20180327722439_C001  CS_OFFL_SIR_IOPM_2_20180327722439_201803277224646_C001  CS_OFFL_SIR_IOPM_2_201803277225152_201803277230724_C001  CS_OFFL_SIR_IOPM_2_201803277230952_201803277230952_C001  CS_OFFL_SIR_IOPM_2_201803277230932_201803277233825_C001  CS_OFFL_SIR_IOPM_2_201803277230932_201803277233825_C001  CS_OFFL_SIR_IOPM_2_201803277230932_2018032772343826_C001  CS_OFFL_SIR_IOPM_2_201803277230932_2018032772343826_C001  CS_OFFL_SIR_IOPM_2_201803277230932_2018032772343826_C001  CS_OFFL_SIR_IOPM_2_2018032770905010_2018032770905036_C001  CS_OFFL_SIR_IOPM_2_201803277090509_201803277090509_C001  CS_OFFL_SIR_IOPM_2_201803277090509_201803277090509_C001  CS_OFFL_SIR_IOPM_2_201803277090509_201803277090500_C001  CS_OFFL_SIR_IOPM_2_201803277090509_201803277090500_C001  CS_OFFL_SIR_IOPM_2_201803277132108_2018032771090500_C001  CS_OFFL_SIR_IOPM_2_201803277132108_2018032771090500_C001  CS_OFFL_SIR_IOPM_2_201803277132108_2018032771090500_C001  CS_OFFL_SIR_IOPM_2_201803277132108_2018032771090500_C001  CS_OFFL_SIR_IOPM_2_201803277132108_2018032771090500_C001  CS_OFFL_SIR_IOPM_2_201803277132108_2018032771090500_C001  CS_OFFL_SIR_IOPM_2_201803277132108_2018032771090500_C001  CS_OFFL_SIR_IOPM_2_20180327713208_2018032771090500_C001  CS_OFFL_SIR_IOPM_2_201803277140050_C001  CS_OFFL_SIR_IOPM_2_201803277140050_C001  CS_OFFL_SIR_IOPM_2_201803277140005_2018032771040000_C001  CS_OFFL_SIR_IOPM_2_2018032771400000_C001  CS_OFFL_SIR_IOPM_2_201803277164013_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 r	CC OFFI CID IODM 2 2019022772140F7 20190227721F600 C001		The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180327T224301_20180327T224646_C001  Ocean Range Averaging Status  CS_OFFL_SIR_IOPM_2_20180327T2250724_C001  Ocean Range Averaging Status  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag h	C3_OFFL_SIR_IOFM_2_2010032/121403/_2010032/1213000_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180327T23405_20180327T23424_C001  Cean Range Averaging Status  CS_OFFL_SIR_IOPM_2_20180327T230952_20180327T23428_C001  CS_OFFL_SIR_IOPM_2_20180327T230952_20180327T23428_C001  CS_OFFL_SIR_IOPM_2_20180327T230952_20180327T23428_C001  CS_OFFL_SIR_IOPM_2_20180327T050736_C001  CS_OFFL_SIR_IOPM_2_20180327T050736_C001  CS_OFFL_SIR_IOPM_2_20180327T050736_C001  CS_OFFL_SIR_IOPM_2_20180327T050736_C001  CS_OFFL_SIR_IOPM_2_20180327T050756_C001  CS_OFFL_SIR_IOPM_2_20180327T05055_20180327T092502_C001  CS_OFFL_SIR_IOPM_2_20180327T092505_20180327T092502_C001  CS_OFFL_SIR_IOPM_2_20180327T092505_20180327T092502_C001  CS_OFFL_SIR_IOPM_2_20180327T132108_20180327T1092502_C001  CS_OFFL_SIR_IOPM_2_20180327T132108_20180327T132224_C001  CS_OFFL_SIR_IOPM_2_20180327T135558_20180327T140205_C001  CS_OFFL_SIR_IOPM_2_20180327T15558_20180327T140205_C001  CS_OFFL_SIR_IOPM_2_20180327T154005_20180327T154136_C001  CS_OFFL_SIR_IOPM_2_20180327T154005_20180327T164013_C001  CS_OFFL_SIR_IOPM_2_20180327T04052_0180327T164013_C001  CS_OFFL_SIR_IOPM_2_20180327T04052_0180327T164013_C001  CS_OFFL_SIR_IOPM_2_20180327T04052_0180327T040822_C001  CS_OFFL_SIR_IOPM_2_20180327T04052_0180327T040822_C001  CS_OFFL_SIR_IOPM_2_20180327T04052_0180327T040822_C001  CS_OFFL_SIR_IOPM_2_20180327T0405233_20180327T040822_C001  CS_OFFL_SIR_IOPM_2_20180327T04052_0180327T040822_C001  CS_OFFL_SIR_IOPM_2_20180327T0405233_20180327T040822_C001  CS_OFFL_SIR_IOPM_2_20180327T0405233_20180327T040525_C001  CS_OFFL_SIR_IOPM_2_20180327T0405233_20180327T040525_C001  CS_OFFL_SIR_IOPM_2_20180327T04440_20180327T040525_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 be			records.  The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T230952_20180327T231825_C001  Ce Range Averaging Status  The Locean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging 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_IOPR_2_20180327T084333_2	CS_OFFL_SIR_IOPM_2_20180327T215945_20180327T221249_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T232030_20180327T234328_C001  CS_OFFL_SIR_IOPM_2_20180327T23030_20180327T050736_C001  CS_OFFL_SIR_IOPM_2_20180327T050610_20180327T050736_C001  CS_OFFL_SIR_IOPM_2_20180327T050610_20180327T050736_C001  CS_OFFL_SIR_IOPM_2_20180327T050610_20180327T050736_C001  CS_OFFL_SIR_IOPM_2_20180327T050610_20180327T092502_C001  CS_OFFL_SIR_IOPM_2_20180327T050610_20180327T092502_C001  CS_OFFL_SIR_IOPM_2_20180327T050610_20180327T095206_C001  CS_OFFL_SIR_IOPM_2_20180327T132108_20180327T05400_C001  CS_OFFL_SIR_IOPM_2_20180327T132108_20180327T132224_C001  CS_OFFL_SIR_IOPM_2_20180327T154005_20180327T140205_C001  CS_OFFL_SIR_IOPM_2_20180327T154005_20180327T154136_C001  CS_OFFL_SIR_IOPM_2_20180327T154005_20180327T154136_C001  CS_OFFL_SIR_IOPM_2_20180327T163704_20180327T164013_C001  CS_OFFL_SIR_IOPM_2_20180327T163704_20180327T164013_C001  CS_OFFL_SIR_IOPM_2_20180327T1640745_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T084333_20180327T084529_C001  CS_OFFL_SIR_IOPR_2_20180327T084333_20180327T084529_C001  CS_OFFL_SIR_IOPR_2_20180327T084333_20180327T084529_C001  CS_OFFL_SIR_IOPR_2_20180327T084333_20180327T084529_C001  CS_OFFL_SIR_IOPR_2_20180327T084333_20180327T084529_C001  CS_OFFL_SIR_IOPR_2_20180327T084333_20180327T084529_C001  CS_OFFL_SIR_IOPR_2_20180327T084333_20180327T084529_C001  CS_OFFL_SIR_IOPR_2_20180327T084333_20180327T084529_C001  CS_OFFL_SIR_IOPR_2_20180327T084333_20180327T084529_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 fo	CS_OFFL_SIR_IOPM_2_20180327T215945_20180327T221249_C001 CS_OFFL_SIR_IOPM_2_20180327T223539_20180327T224139_C001	Ocean Range Averaging Status Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records.
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CS_OFFL_SIR_IOPN_2_20180327T135558_20180327T140205_C001  CS_OFFL_SIR_IOPN_2_20180327T154005_20180327T154136_C001  CS_OFFL_SIR_IOPN_2_20180327T154005_20180327T154136_C001  CS_OFFL_SIR_IOPN_2_20180327T154005_20180327T154136_C001  CS_OFFL_SIR_IOPN_2_20180327T164013_C001  CS_OFFL_SIR_IOPR_2_20180327T040745_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T040745_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T040745_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T040745_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T040333_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T040333_20180327T093634_C001  CS_OFFL_SIR_IOPR_2_20180327T093433_20180327T093634_C001  CS_OFFL_SIR_IOPR_2_20180327T114330_20180327T114405_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212503_C001  CS_OFFL_SI	CS_OFFL_SIR_IOPM_2_20180327T215945_20180327T221249_C001  CS_OFFL_SIR_IOPM_2_20180327T223539_20180327T224139_C001  CS_OFFL_SIR_IOPM_2_20180327T224301_20180327T224646_C001  CS_OFFL_SIR_IOPM_2_20180327T225125_20180327T230724_C001  CS_OFFL_SIR_IOPM_2_20180327T230952_20180327T231825_C001  CS_OFFL_SIR_IOPM_2_20180327T232030_20180327T234328_C001  CS_OFFL_SIR_IOPM_2_20180327T050610_20180327T050736_C001	Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records.
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CS_OFFL_SIR_IOPN_2_20180327T163704_20180327T164013_C001  CS_OFFL_SIR_IOPN_2_20180327T163704_20180327T1040822_C001  CS_OFFL_SIR_IOPR_2_20180327T040745_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T040745_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T084333_20180327T084529_C001  CS_OFFL_SIR_IOPR_2_20180327T093433_20180327T093634_C001  CS_OFFL_SIR_IOPR_2_20180327T093433_20180327T093634_C001  CS_OFFL_SIR_IOPR_2_20180327T114330_20180327T114405_C001  CS_OFFL_SIR_IOPR_2_20180327T114330_20180327T114405_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  CCS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  CCS_OFFL_SIR_IOPR_2_20180327T212	CS_OFFL_SIR_IOPM_2_20180327T215945_20180327T221249_C001  CS_OFFL_SIR_IOPM_2_20180327T223539_20180327T224139_C001  CS_OFFL_SIR_IOPM_2_20180327T224301_20180327T224646_C001  CS_OFFL_SIR_IOPM_2_20180327T225125_20180327T230724_C001  CS_OFFL_SIR_IOPM_2_20180327T230952_20180327T231825_C001  CS_OFFL_SIR_IOPM_2_20180327T232030_20180327T234328_C001  CS_OFFL_SIR_IOPM_2_20180327T050610_20180327T050736_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092502_C001  CS_OFFL_SIR_IOPN_2_20180327T095216_20180327T095400_C001	Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging 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_IOPR_2_20180327T040745_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T084333_20180327T084529_C001  CS_OFFL_SIR_IOPR_2_20180327T084333_20180327T084529_C001  CS_OFFL_SIR_IOPR_2_20180327T093433_20180327T093634_C001  CS_OFFL_SIR_IOPR_2_20180327T093433_20180327T093634_C001  CS_OFFL_SIR_IOPR_2_20180327T114330_20180327T114405_C001  CS_OFFL_SIR_IOPR_2_20180327T114330_20180327T114405_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204549_C001  CCean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPM_2_20180327T215945_20180327T221249_C001  CS_OFFL_SIR_IOPM_2_20180327T223539_20180327T224139_C001  CS_OFFL_SIR_IOPM_2_20180327T224301_20180327T224646_C001  CS_OFFL_SIR_IOPM_2_20180327T225125_20180327T230724_C001  CS_OFFL_SIR_IOPM_2_20180327T230952_20180327T231825_C001  CS_OFFL_SIR_IOPM_2_20180327T232030_20180327T234328_C001  CS_OFFL_SIR_IOPN_2_20180327T050610_20180327T050736_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092502_C001  CS_OFFL_SIR_IOPN_2_20180327T095216_20180327T095400_C001  CS_OFFL_SIR_IOPN_2_20180327T132108_20180327T132224_C001	Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging 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_IOPR_2_20180327T040745_20180327T04052_C001  CS_OFFL_SIR_IOPR_2_20180327T093433_20180327T093634_C001  CS_OFFL_SIR_IOPR_2_20180327T093433_20180327T093634_C001  CS_OFFL_SIR_IOPR_2_20180327T114330_20180327T114405_C001  CS_OFFL_SIR_IOPR_2_20180327T114330_20180327T114405_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  CCS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  CCS_OFFL_SIR_IOPR_2_20180327T212529_	CS_OFFL_SIR_IOPM_2_20180327T215945_20180327T221249_C001  CS_OFFL_SIR_IOPM_2_20180327T223539_20180327T224139_C001  CS_OFFL_SIR_IOPM_2_20180327T224301_20180327T224646_C001  CS_OFFL_SIR_IOPM_2_20180327T225125_20180327T230724_C001  CS_OFFL_SIR_IOPM_2_20180327T230952_20180327T231825_C001  CS_OFFL_SIR_IOPM_2_20180327T232030_20180327T234328_C001  CS_OFFL_SIR_IOPM_2_20180327T050610_20180327T050736_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092502_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092500_C001  CS_OFFL_SIR_IOPN_2_20180327T132108_20180327T132224_C001  CS_OFFL_SIR_IOPN_2_20180327T135558_20180327T140205_C001	Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging 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_IOPR_2_20180327T093433_20180327T093634_C001  CS_OFFL_SIR_IOPR_2_20180327T093433_20180327T093634_C001  CS_OFFL_SIR_IOPR_2_20180327T114330_20180327T114405_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_201803	CS_OFFL_SIR_IOPM_2_20180327T215945_20180327T221249_C001  CS_OFFL_SIR_IOPM_2_20180327T223539_20180327T224139_C001  CS_OFFL_SIR_IOPM_2_20180327T224301_20180327T224646_C001  CS_OFFL_SIR_IOPM_2_20180327T225125_20180327T230724_C001  CS_OFFL_SIR_IOPM_2_20180327T230952_20180327T231825_C001  CS_OFFL_SIR_IOPM_2_20180327T232030_20180327T234328_C001  CS_OFFL_SIR_IOPM_2_20180327T050610_20180327T050736_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092502_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T095400_C001  CS_OFFL_SIR_IOPN_2_20180327T132108_20180327T132224_C001  CS_OFFL_SIR_IOPN_2_20180327T135558_20180327T140205_C001  CS_OFFL_SIR_IOPN_2_20180327T154005_20180327T154136_C001	Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging 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_IOPR_2_20180327T114330_20180327T114405_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_C001  CS_OFFL_SI	CS_OFFL_SIR_IOPM_2_20180327T215945_20180327T221249_C001  CS_OFFL_SIR_IOPM_2_20180327T223539_20180327T224139_C001  CS_OFFL_SIR_IOPM_2_20180327T224301_20180327T224646_C001  CS_OFFL_SIR_IOPM_2_20180327T225125_20180327T230724_C001  CS_OFFL_SIR_IOPM_2_20180327T230952_20180327T231825_C001  CS_OFFL_SIR_IOPM_2_20180327T232030_20180327T234328_C001  CS_OFFL_SIR_IOPM_2_20180327T050610_20180327T050736_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092502_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092502_C001  CS_OFFL_SIR_IOPN_2_20180327T132108_20180327T132224_C001  CS_OFFL_SIR_IOPN_2_20180327T135558_20180327T140205_C001  CS_OFFL_SIR_IOPN_2_20180327T154005_20180327T154136_C001  CS_OFFL_SIR_IOPN_2_20180327T154005_20180327T164013_C001	Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging 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_IOPR_2_20180327T114330_20180327T114405_C001  CS_OFFL_SIR_IOPR_2_20180327T204440_20180327T204549_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_00180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_00180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_00180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_00180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_00180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_00180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_00180327T212603_	CS_OFFL_SIR_IOPM_2_20180327T215945_20180327T221249_C001  CS_OFFL_SIR_IOPM_2_20180327T223539_20180327T224139_C001  CS_OFFL_SIR_IOPM_2_20180327T224301_20180327T224646_C001  CS_OFFL_SIR_IOPM_2_20180327T225125_20180327T230724_C001  CS_OFFL_SIR_IOPM_2_20180327T230952_20180327T231825_C001  CS_OFFL_SIR_IOPM_2_20180327T232030_20180327T234328_C001  CS_OFFL_SIR_IOPM_2_20180327T050610_20180327T050736_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092502_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092502_C001  CS_OFFL_SIR_IOPN_2_20180327T095216_20180327T095400_C001  CS_OFFL_SIR_IOPN_2_20180327T132108_20180327T132224_C001  CS_OFFL_SIR_IOPN_2_20180327T135558_20180327T140205_C001  CS_OFFL_SIR_IOPN_2_20180327T154005_20180327T154136_C001  CS_OFFL_SIR_IOPN_2_20180327T163704_20180327T164013_C001  CS_OFFL_SIR_IOPN_2_20180327T163704_20180327T164013_C001	Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging 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_IOPR_2_20180327T212529_20180327T212603_C001  CS_OFFL_SIR_IOPR_2_20180327T212529_20180327T212603_C001  Ocean Range Averaging Status  records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOPM_2_20180327T215945_20180327T221249_C001  CS_OFFL_SIR_IOPM_2_20180327T223539_20180327T224139_C001  CS_OFFL_SIR_IOPM_2_20180327T224301_20180327T224646_C001  CS_OFFL_SIR_IOPM_2_20180327T225125_20180327T230724_C001  CS_OFFL_SIR_IOPM_2_20180327T230952_20180327T231825_C001  CS_OFFL_SIR_IOPM_2_20180327T232030_20180327T234328_C001  CS_OFFL_SIR_IOPM_2_20180327T050610_20180327T050736_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092502_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092502_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T0925400_C001  CS_OFFL_SIR_IOPN_2_20180327T132108_20180327T132224_C001  CS_OFFL_SIR_IOPN_2_20180327T135558_20180327T140205_C001  CS_OFFL_SIR_IOPN_2_20180327T154005_20180327T154136_C001  CS_OFFL_SIR_IOPN_2_20180327T163704_20180327T164013_C001  CS_OFFL_SIR_IOPN_2_20180327T1040745_20180327T1040822_C001  CS_OFFL_SIR_IOPR_2_20180327T040745_20180327T084529_C001	Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The locean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging 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_IOFR_2_201803271212029_201803271212003_0001  Ocean Range Averaging Status  records.  The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_IOPM_2_20180327T215945_20180327T221249_C001  CS_OFFL_SIR_IOPM_2_20180327T223539_20180327T224139_C001  CS_OFFL_SIR_IOPM_2_20180327T224301_20180327T224646_C001  CS_OFFL_SIR_IOPM_2_20180327T225125_20180327T230724_C001  CS_OFFL_SIR_IOPM_2_20180327T230952_20180327T231825_C001  CS_OFFL_SIR_IOPM_2_20180327T232030_20180327T234328_C001  CS_OFFL_SIR_IOPM_2_20180327T050610_20180327T050736_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092502_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092502_C001  CS_OFFL_SIR_IOPN_2_20180327T132108_20180327T132224_C001  CS_OFFL_SIR_IOPN_2_20180327T135558_20180327T140205_C001  CS_OFFL_SIR_IOPN_2_20180327T154005_20180327T154136_C001  CS_OFFL_SIR_IOPN_2_20180327T154005_20180327T164013_C001  CS_OFFL_SIR_IOPN_2_20180327T163704_20180327T164013_C001  CS_OFFL_SIR_IOPR_2_20180327T1084333_20180327T084529_C001  CS_OFFL_SIR_IOPR_2_20180327T084333_20180327T093634_C001	Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging 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_20180327T215945_20180327T221249_C001  CS_OFFL_SIR_IOPM_2_20180327T223539_20180327T224139_C001  CS_OFFL_SIR_IOPM_2_20180327T224301_20180327T224646_C001  CS_OFFL_SIR_IOPM_2_20180327T225125_20180327T230724_C001  CS_OFFL_SIR_IOPM_2_20180327T230952_20180327T231825_C001  CS_OFFL_SIR_IOPM_2_20180327T232030_20180327T234328_C001  CS_OFFL_SIR_IOPM_2_20180327T050610_20180327T050736_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092502_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092500_C001  CS_OFFL_SIR_IOPN_2_20180327T132108_20180327T132224_C001  CS_OFFL_SIR_IOPN_2_20180327T135558_20180327T140205_C001  CS_OFFL_SIR_IOPN_2_20180327T154005_20180327T154136_C001  CS_OFFL_SIR_IOPN_2_20180327T163704_20180327T164013_C001  CS_OFFL_SIR_IOPR_2_20180327T1040745_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T040745_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T040745_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T040745_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T040745_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T040745_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T040745_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T040745_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T040745_20180327T040822_C001	Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging 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_20180327T215945_20180327T221249_C001  CS_OFFL_SIR_IOPM_2_20180327T223539_20180327T224139_C001  CS_OFFL_SIR_IOPM_2_20180327T224301_20180327T224646_C001  CS_OFFL_SIR_IOPM_2_20180327T225125_20180327T230724_C001  CS_OFFL_SIR_IOPM_2_20180327T230952_20180327T231825_C001  CS_OFFL_SIR_IOPM_2_20180327T232030_20180327T234328_C001  CS_OFFL_SIR_IOPM_2_20180327T050610_20180327T050736_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092502_C001  CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092502_C001  CS_OFFL_SIR_IOPN_2_20180327T132108_20180327T132224_C001  CS_OFFL_SIR_IOPN_2_20180327T135558_20180327T140205_C001  CS_OFFL_SIR_IOPN_2_20180327T154005_20180327T154136_C001  CS_OFFL_SIR_IOPN_2_20180327T164005_20180327T164013_C001  CS_OFFL_SIR_IOPN_2_20180327T040745_20180327T040822_C001  CS_OFFL_SIR_IOPR_2_20180327T084333_20180327T084529_C001  CS_OFFL_SIR_IOPR_2_20180327T084333_20180327T093634_C001  CS_OFFL_SIR_IOPR_2_20180327T114330_20180327T114405_C001  CS_OFFL_SIR_IOPR_2_20180327T114330_20180327T114405_C001	Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. 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.

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180327T000252_20180327T000855_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T001110_20180327T003724_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_20180327T010822_20180327T011941_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180327T012515_20180327T013711_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180327T013956_20180327T014116_C001	Ice Backscatter Averaging Status	records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180327T014243_20180327T014659_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180327T015001_20180327T022005_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_20180327T024259_20180327T025854_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_20180327T030216_20180327T031617_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_20180327T032154_20180327T032736_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T032854_20180327T033518_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_20180327T040636_20180327T040745_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_20180327T042103_20180327T045537_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_20180327T050058_20180327T050610_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T050754_20180327T052747_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180327T055945_20180327T063326_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180327T063847_20180327T064057_C001	Ice Backscatter Averaging Status	records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180327T064104_20180327T064517_C001	Ice Backscatter Averaging Status SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180327T064721_20180327T072335_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20180327T072607_20180327T072736_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T074134_20180327T075032_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_20180327T075513_20180327T075655_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_20180327T075720_20180327T081300_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_20180327T081435_20180327T081956_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T082015_20180327T082222_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T082720_20180327T082741_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_20180327T083110_20180327T084332_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T084529_20180327T085752_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_20180327T085956_20180327T090212_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS OFFL SIR IOPM 2 20180327T092503 20180327T093432 C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180327T093635_20180327T095212_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180327T095401_20180327T095856_C001	Ice Backscatter Averaging Status	records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180327T095931_20180327T100047_C001	Ice Backscatter Averaging Status SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180327T100701_20180327T100949_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20180327T102643_20180327T103757_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_20180327T111448_20180327T113119_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_20180327T113343_20180327T113823_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T114406_20180327T120811_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_20180327T124421_20180327T125300_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_20180327T130602_20180327T131054_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_20180327T131246_20180327T131723_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T132328_20180327T133539_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T134114_20180327T135108_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_20180327T135303_20180327T135557_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180327T142259_20180327T145028_C001	Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180327T145156_20180327T145637_C001	Ice Backscatter Averaging Status SWH Averaging Status, Ocean	records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180327T150246_20180327T153801_C001	Backscatter Averaging Status	more records.

CS_OFFL_SIR_IOPM_2_20180327T155057_20180327T155244_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180327T162216_20180327T162448_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180327T162648_20180327T162955_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20180327T163141_20180327T163703_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T164213_20180327T170513_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_20180327T170759_20180327T171707_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_20180327T172936_20180327T173315_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_20180327T174914_20180327T175403_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_20180327T175551_20180327T180856_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_20180327T181130_20180327T181602_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T182122_20180327T182816_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_20180327T182826_20180327T185433_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_20180327T191431_20180327T194339_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_20180327T194700_20180327T194723_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_20180327T200147_20180327T201932_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_20180327T202412_20180327T203125_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_20180327T204710_20180327T205027_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T205249_20180327T205543_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_20180327T205616_20180327T210811_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_20180327T211025_20180327T212529_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_20180327T213203_20180327T213421_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T213457_20180327T213918_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180327T214057_20180327T215600_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_20180327T215945_20180327T221249_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_20180327T223539_20180327T224139_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_20180327T224301_20180327T224646_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_20180327T225125_20180327T230724_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_20180327T230952_20180327T231825_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records
CS_OFFL_SIR_IOPM_2_20180327T232030_20180327T234328_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPN_2_20180327T050610_20180327T050736_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPN_2_20180327T092059_20180327T092502_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPN_2_20180327T095216_20180327T095400_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180327T132108_20180327T132224_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_20180327T135558_20180327T140205_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_20180327T154005_20180327T154136_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_20180327T163704_20180327T164013_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_20180327T084333_20180327T084529_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_20180327T093433_20180327T093634_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_20180327T114330_20180327T114405_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_20180327T204440_20180327T204549_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_20180327T212529_20180327T212603_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_20180327T221928_20180327T222012_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: 64

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

# 6.1 P2P Product Format Check

#### 6.2 P2P Product Header Analysis

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

Number of products with errors:

#### 6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

#### 6.4 P2P Auxiliary Correction Error Check

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

Number of products with errors:

#### 6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180327T195443_20180327T204420_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

#### 6.6 P2P Range Measurement Check

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

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

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

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 29

Number of products with errors:

Test Failed Product Description The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR IOP 2 20180326T231423 20180327T000400 C002 Ice Range Averaging Status Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20180327T000400\_20180327T005337\_C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20180327T005337\_20180327T014313\_C001 Range Averaging Status or more records. Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS OFFL SIR IOP 2 20180327T014313 20180327T023251 C001 Range Averaging Status or more records. The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOP\_2\_\_20180327T023251\_20180327T032227\_C001 Ocean Range Averaging Status records. Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20180327T032227\_20180327T041204\_C001 Range Averaging Status or more records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOP 2 20180327T041204 20180327T050140 C001 Ocean Range Averaging Status Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20180327T050140\_20180327T055118\_C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS OFFL SIR IOP 2 20180327T055118 20180327T064054 C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS OFFL SIR IOP 2 20180327T064054 20180327T073031 C001 Range Averaging Status or more records. Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS OFFL SIR IOP 2 20180327T073031 20180327T082007 C001 Range Averaging Status or more records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOP 2 20180327T082007 20180327T090945 C001 Ocean Range Averaging Status records. Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS OFFL SIR IOP 2 20180327T090945 20180327T095921 C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20180327T095921\_20180327T104858\_C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20180327T104858\_20180327T113835\_C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20180327T113835\_20180327T122812\_C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20180327T122812\_20180327T131748\_C001 Range Averaging Status or more records. Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20180327T131748\_20180327T140726\_C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20180327T140726\_20180327T145702\_C001 Range Averaging Status or more records. The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOP\_2\_\_20180327T145702\_20180327T154639\_C001 Ocean Range Averaging Status records. Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS OFFL SIR IOP 2 20180327T154639 20180327T163616 C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20180327T163616\_20180327T172553\_C001 Range Averaging Status or more records. Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20180327T172553\_20180327T181529\_C001 Range Averaging Status or more records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOP 2 20180327T181529 20180327T190506 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status CS\_OFFL\_SIR\_IOP\_2\_\_20180327T190506\_20180327T195443\_C001 records. Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20180327T195443\_20180327T204420\_C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS OFFL SIR IOP 2 20180327T204420 20180327T213356 C001 Range Averaging Status or more records The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOP\_2\_\_20180327T213356\_20180327T222333\_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOP\_2\_\_20180327T222333\_20180327T231310\_C001 Ocean Range Averaging Status

### 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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20180326T231423_20180327T000400_C002	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180327T000400_20180327T005337_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_220180327T005337_20180327T014313_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_220180327T014313_20180327T023251_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_220180327T023251_20180327T032227_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_220180327T032227_20180327T041204_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_220180327T041204_20180327T050140_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_20180327T050140_20180327T055118_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_220180327T055118_20180327T064054_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_20180327T064054_20180327T073031_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_20180327T073031_20180327T082007_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180327T082007_20180327T090945_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180327T090945_20180327T095921_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_220180327T095921_20180327T104858_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ocean	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180327T104858_20180327T113835_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ocean	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180327T113835_20180327T122812_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ocean	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180327T122812_20180327T131748_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ocean	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180327T131748_20180327T140726_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ocean	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180327T140726_20180327T145702_C001	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_220180327T145702_20180327T154639_C001	SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180327T154639_20180327T163616_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ocean	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180327T163616_20180327T172553_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ocean	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20180327T172553_20180327T181529_C001	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_220180327T181529_20180327T190506_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_220180327T190506_20180327T195443_C001	SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180327T195443_20180327T204420_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ocean	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180327T204420_20180327T213356_C001	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_220180327T213356_20180327T222333_C001	SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220180327T222333_20180327T231310_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

# 6.8 P2P Ocean Retracking Quality Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180327T000400_20180327T005337_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T005337_20180327T014313_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T014313_20180327T023251_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T023251_20180327T032227_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T032227_20180327T041204_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T050140_20180327T055118_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T055118_20180327T064054_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T064054_20180327T073031_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T073031_20180327T082007_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T082007_20180327T090945_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T090945_20180327T095921_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T095921_20180327T104858_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T113835_20180327T122812_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T122812_20180327T131748_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T131748_20180327T140726_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T140726_20180327T145702_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T145702_20180327T154639_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T154639_20180327T163616_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T163616_20180327T172553_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T172553_20180327T181529_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T181529_20180327T190506_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T190506_20180327T195443_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T195443_20180327T204420_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T204420_20180327T213356_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180327T213356_20180327T222333_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180327T222333_20180327T231310_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.