



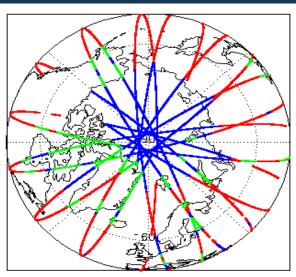
## 1. Overview

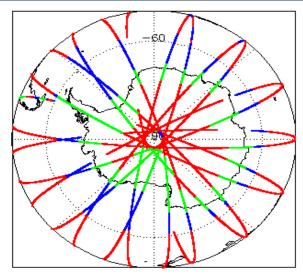
Report Production:	29-Aug-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

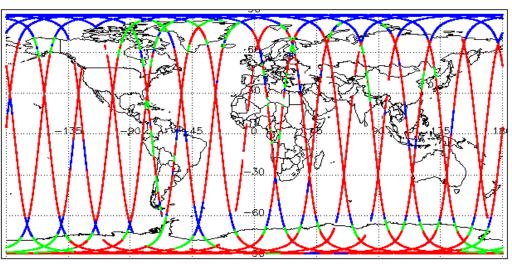
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

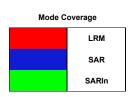
Mission / Instru	ment News
28-Jul-2018	None
29-Jul-2018	L0 data missing on 29-Jul-2018 due to an unplanned ground segment anomaly: SARIn 05:13:07 - 07:32:57; SAR & SARIN 11:37:24 - 13:16:20.
30-Jul-2018	Nothing planned

# 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. GOP 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 GOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

- 4

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180729T032554_20180729T033216_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20180729T044117_20180729T044813_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20180729T062155_20180729T062948_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20180729T064653_20180729T065130_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 some products over land, but this is to be expected.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180729T025617_20180729T031300_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180729T042609_20180729T043009_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180729T043651_20180729T043954_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180729T102246_20180729T103053_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180729T013810_20180729T013918_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180729T031616_20180729T031832_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180729T045159_20180729T045547_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180729T101035_20180729T101223_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180729T145617_20180729T145736_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180729T163057_20180729T163136_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180729T212602_20180729T212633_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180729T085910_20180729T090115_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180729T212907_20180729T213655_C001	Loss of Echo	The tracking echo is missing for one or more records

## 5. GOP Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

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

Number of products with errors:

0

### 5.2 L2 Product Header Analysis

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

Number of products with errors: 0

#### 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.

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180729T032554_20180729T033216_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20180729T044117_20180729T044813_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20180729T062155_20180729T062948_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20180729T064653_20180729T065130_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:

85

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Product  CS_OFFL_SIR_GOPM_2_20180729T000754_20180729T004316_C001	Ocean Range Averaging Status	Description The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T004710_20180729T005126_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T005144_20180729T005540_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T010028_20180729T013409_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T014624_20180729T020102_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T020543_20180729T020705_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T020708_20180729T021402_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T021405_20180729T022248_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T022507_20180729T023024_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T024101_20180729T025403_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T025617_20180729T031300_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T033537_20180729T034603_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T034742_20180729T040136_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T040942_20180729T040953_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T041000_20180729T041114_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T042609_20180729T043009_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T043650_20180729T043954_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T044117_20180729T044813_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T052004_20180729T054016_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T054446_20180729T054852_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T054858_20180729T054907_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T055608_20180729T062151_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T065541_20180729T071936_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T072239_20180729T072806_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T072812_20180729T073137_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T073523_20180729T074607_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T075144_20180729T080725_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T083040_20180729T085214_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T085428_20180729T085909_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180729T090239_20180729T091045_C001	Ice Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180729T091538_20180729T094802_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180729T100052_20180729T100219_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180729T102245_20180729T103053_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180729T103113_20180729T103716_C001	Ocean Range Averaging Status	records.  The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180729T104215_20180729T104732_C001	Ice Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180729T105432_20180729T111544_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180729T111829_20180729T113010_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180729T113917_20180729T114402_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180729T115909_20180729T120435_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180729T120622_20180729T121645_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180729T122340_20180729T122632_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180729T123351_20180729T131008_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180729T132147_20180729T132159_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180729T132245_20180729T132936_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180729T132950_20180729T135408_C001	Ocean Range Averaging Status	records.

ES. OFFL. SR. COPM. 2. 201807271 14309. 201807271 14309. COORD CORRESPONDED TO SERVICE AND COMPANY AND	CS_OFFL_SIR_GOPM_2_20180729T140344_20180729T140538_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
Community Annually Sollars  Co	CS_OFFL_SIR_GOPM_2_20180729T140802_20180729T141029_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
SOUTH_SER_COME_2.0180729T19055_0180729T19055_0001  Obs. GPFL_SER_COME_2.0180729T19055_0180729T19055_0001  Obs. GPFL_SER_COME_2.0180729T19055_0180729T190556_0001  Obs. GPFL_SER_COME_2.0180729T19055_0180729T190566_0001  Obs. GPFL_SER_COME_2.0180729T19056_0180729T190566_0001  Obs. GPFL_SER_COME_2.0180729T19056_0180729T190566_0001  Obs. GPFL_SER_COME_2.0180729T19056_0180729T19056_0001  Obs. GPFL_SER_COME_2.0180729T19056_0180729T19056_0001  Obs. GPFL_SER_COME_2.0180729T19056_0001  Obs. GP	CS_OFFL_SIR_GOPM_2_20180729T141306_20180729T142906_C001	Ocean Range Averaging Status	
SO, OPFL_SRI_COPPL_20180727119027_21980727119027_201807_20180727119037_201807_201	CS_OFFL_SIR_GOPM_2_20180729T142912_20180729T144120_C001	Ocean Range Averaging Status	
So, OFFL_SIN_COPM_2_201807287153925_001807287153945_CO01  So OFFL_SIR_COPM_2_201807287154924_201807287154945_CO01  So OFFL_SIR_COPM_2_201807287154924_201807287154945_CO01  So OFFL_SIR_COPM_2_201807287154925_C001  So OFFL_SIR_COPM_2_201807287154925_C001  So OFFL_SIR_COPM_2_201807287168030_201807287169030_C001  So OFFL_SIR_COPM_2_201807287168030_201807287169030_C001  So OFFL_SIR_COPM_2_201807287176030_C001  So OFFL_SIR_COPM_2_201807287176030_C00	CS_OFFL_SIR_GOPM_2_20180729T145736_20180729T150135_C001	Ice Range Averaging Status	
See CFFL_SIR_COPM_2_20180729114444_2_001  See CFFL_SIR_COPM_2_2018072911428_20180729114444_2_001  See CFFL_SIR_COPM_2_2018072911428_20180729114444_2_001  See CFFL_SIR_COPM_2_2018072911428_20180729114444_2_001  See CFFL_SIR_COPM_2_2018072911428_20180729114444_2_001  See CFFL_SIR_COPM_2_2018072911428_20180729114444_2_001  See CFFL_SIR_COPM_2_2018072911428_201807291145556001  See CFFL_SIR_COPM_2_2018072911428_20180729114556001  See CFFL_SIR_COPM_2_2018072911428_20180729114556001  See CFFL_SIR_COPM_2_2018072911438_20180729114556001  See CFFL_SIR_COPM_2_2018072911438_20180729114556001  See CFFL_SIR_COPM_2_2018072911438_20180729114556001  See CFFL_SIR_COPM_2_201807291122014_20180729114556001  See CFFL_SIR_COPM_2_201807291122014_20180729114556001  See CFFL_SIR_COPM_2_201807291122014_20180729114556001  See CFFL_SIR_COPM_2_201807291122014_20180729114556001  See CFFL_SIR_COPM_2_201807291122014_201807291122016001  See CFFL_SIR_	CS_OFFL_SIR_GOPM_2_20180729T150257_20180729T151842_C001	Ocean Range Averaging Status	
So CPFL_SIR_GOPM_2_201607297150329_201607297160539_C010  CS_CPFL_SIR_GOPM_2_201607297150329_201607297160539_C010  CS_CPFL_SIR_GOPM_2_201607297150329_201607297160539_C010  CS_CPFL_SIR_GOPM_2_201607297150329_201607297160539_C010  CS_CPFL_SIR_GOPM_2_201607297150329_201607297160539_C010  CS_CPFL_SIR_GOPM_2_201607297150329_20160729717631_C011  CS_CPFL_SIR_GOPM_2_201607297176032_01607297717631_C011  CS_CPFL_SIR_GOPM_2_201607297176032_01607297717631_C011  CS_CPFL_SIR_GOPM_2_201607297176032_01607297717639_C010  CS_CPFL_SIR_GOPM_2_201607297176032_0160729717639_C010  CS_CPFL_SIR_GOPM_2_201607297176031_C0160729717639_C010  CS_CPFL_SIR_GOPM_2_201607297176031_C0160729717639_C010  CS_CPFL_SIR_GOPM_2_201607297176031_C0160729717639_C010  CS_CPFL_SIR_GOPM_2_201607297176031_C0160729717639_C010  CS_CPFL_SIR_GOPM_2_201607297176001_C0160729717639_C010  CS_CPFL_SIR_GOPM_2_201607297176001_C0160729717639_C010  CS_CPFL_SIR_GOPM_2_201607297176001_C0160729717639_C010  CS_CPFL_SIR_GOPM_2_201607297176001_C01607297176001_C011  CS_CPFL_SIR_GOPM_2_201607297176001_C01607297176001_C011  CS_CPFL_SIR_GOPM_2_201607297176001_C01607297176001_C011  CS_CPFL_SIR_GOPM_2_201607297176001_C01607297176001_C011  CS_CPFL_SIR_GOPM_2_201607297176001_C016072971776001_C016072971776001_C016072971776001_C016072971776001_C0160729717776001_C0160729717776001_C01607297177776001_C0160729717777777777777777777777777777777777	CS_OFFL_SIR_GOPM_2_20180729T152735_20180729T153545_C001	Ocean Range Averaging Status	
SOFFL_SR_GOPM_2_20180729716010_201807297161241_CO01  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  The Ocean Rampe Averaging Status Flag has been set for one or more records.  Ocean Rampe Averaging Status  The Oce	CS_OFFL_SIR_GOPM_2_20180729T154224_20180729T154455_C001	Ice Range Averaging Status	
So, OFFL_SIR_GOPM_2 20180728719039 (201807287191634). Coordinate of the Coordinating Averaging Status Flag has been set for one or more records.  So, OFFL_SIR_GOPM_2 20180728719007_0180728717590_0010  So, OFFL_SIR_GOPM_2 201807287172007_0180728717590_0010  So, OFFL_SIR_GOPM_2 201807287172007_0180728717590_0010  So, OFFL_SIR_GOPM_2 201807287172007_0180728717590_0010  So, OFFL_SIR_GOPM_2 201807287172007_0180728717590_0010  So, OFFL_SIR_GOPM_2 20180728719007_0180728717590_0010  So, OFFL_SIR_GOPM_2 20180728719007_01807287180049_0010  So, OFFL_SIR_GOPM_2 201807287190320_01807287180049_0010  So, OFFL_SIR_GOPM_2 201807287190320_01807287180049_0010  So, OFFL_SIR_GOPM_2 201807287190330_01807287180049_0010  So, OFFL_SIR_GOPM_2 201807287103030_01807287190030_0010  Coesin Range Averaging Status  Floor Coesin Range Averaging Status Flag has been set for one or more records.  The Coesin Range Averaging Status Flag has been set for one or more records.  The Coesin Range Averaging Status Flag has been set for one or more records.  So, OFFL_SIR_GOPM_2 201807287190330_0180728719000_0010  Coesin Range Averaging Status  Floor Coesin Range Averaging Status Flag has been set for one or more records.  The Coesin Range Averaging Status Flag has been set for one or more records.  The Coesin Range Averaging Status Flag has been set for one or more records.  The Coesin Range Averaging Status Flag has been set for one or more records.  The Coesin Range Averaging Status Flag has been set for one or more records.  The Coesin Range Averaging Status Flag has been set for one or more records.  The Coesin Range Averaging Status Flag has been set for one or more records.  So, OFFL_SIR_GOPM_2 20180728723002_0180728723002_0001  Coesin Range Averaging Status  Flag has	CS_OFFL_SIR_GOPM_2_20180729T154520_20180729T154945_C001	Ice Range Averaging Status	
Ceen Range Averaging Status Fig nas been set for one or more Records.  S. OFFL_SIR, GOPM_2 201807297170207_201807297172500_0001  Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been set for one or more Records.  The Ceen Range Averaging Status Fig nas been s	CS_OFFL_SIR_GOPM_2_20180729T155236_20180729T160630_C001	Ocean Range Averaging Status	
Cocean Range Averaging Status Fine Cocean Range Ave	CS_OFFL_SIR_GOPM_2_20180729T160810_20180729T161241_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180729T132012_20180729T1805_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T180001_20180729T180548_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T180202_20180729T190549_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T190229_20180729T190549_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T19139_20180729T190549_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T200355_20180729T194848_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T20413_20180729T204302_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T20413_20180729T204302_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T20433_20180729T201500000000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20180729T164458_20180729T165208_C001	Ocean Range Averaging Status	
CS_OFF_SIR_GOPM_2_201807291172011_201807291172450_CO01  CS_OFF_SIR_GOPM_2_20180729113211_201807291175450_CO01  CS_OFF_SIR_GOPM_2_201807291190222_201807291190540_CO01  CS_OFF_SIR_GOPM_2_201807291190222_201807291190540_CO01  CS_OFF_SIR_GOPM_2_201807291193815_201807291190540_CO01  CS_OFF_SIR_GOPM_2_201807291193815_201807291190540_CO01  CS_OFF_SIR_GOPM_2_201807291193815_201807291190540_CO01  CS_OFF_SIR_GOPM_2_201807291030055_20180729106340_CO01  CS_OFF_SIR_GOPM_2_201807291200055_20180729106340_CO01  CS_OFF_SIR_GOPM_2_201807291200055_201807291201837_CO01  CS_OFF_SIR_GOPM_2_201807291200413_201807291201800_CO01  CS_OFF_SIR_GOPM_2_201807291200413_20180729120400_CO01  CS_OFF_SIR_GOPM_2_201807291204138_20180729120400_CO01  CS_OFF_SIR_GOPM_2_201807291204138_20180729120400_CO01  CS_OFF_SIR_GOPM_2_201807291204138_20180729120400_CO01  CS_OFF_SIR_GOPM_2_201807291204138_20180729120400_CO01  CS_OFF_SIR_GOPM_2_201807291204138_20180729120400_CO01  CS_OFF_SIR_GOPM_2_201807291204138_2018072912404720_CO01  CS_OFF_SIR_GOPM_2_201807291204138_20180729124040_CO01  CS_OFF_SIR_GOPM_2_201807291204138_20180729121230_CO01  CS_OFF_SIR_GOPM_2_20180729122040_201807291223040_CO01  CS_OFF_SIR_GOPM_2_201807291223040_201807291223040_CO01  CS_OFF_SIR_GOPM_2_20180729123030_20180729123040_CO01  CS_OFF_SIR_GOPM_2_20180729123030_20180729123040_CO01  CS_OFF_SIR_GOPM_2_20180729123030_20180729123040_CO01  CS_OFF_SIR_GOPM_2_20180729123030_20180729123040_CO01  CS_OFF_SIR_GOPM_2_201807291303030_201807291200504	CS_OFFL_SIR_GOPM_2_20180729T165331_20180729T171631_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180729T19323_20180729T193540_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T193023_20180729T193540_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T193381_20180729T193540_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T193581_20180729T193540_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T202437_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T20437_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T20431_20180729T204727_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T20431_20180729T204727_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T204072_20180729T204727_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T212332_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T220402_20180729T2213256_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T220402_20180729T221322_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T2204_20180729T22047_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T2204_20180729T22044_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T2204_20180729T22044_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T22042_20180729T22042_COULD Cean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180729T230402_20180729T	CS_OFFL_SIR_GOPM_2_20180729T172007_20180729T172900_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180729T19319_20180729T193501_C001  CS_OFFL_SIR_GOPM_2_20180729T19319_20180729T193501_C001  CS_OFFL_SIR_GOPM_2_20180729T19319_20180729T193482_C001  CS_OFFL_SIR_GOPM_2_20180729T20355_20180729T1934848_C001  CS_OFFL_SIR_GOPM_2_20180729T20355_20180729T1934848_C001  CS_OFFL_SIR_GOPM_2_20180729T20355_20180729T203403_C001  CS_OFFL_SIR_GOPM_2_20180729T203403_C001  CS_OFFL_SIR_GOPM_2_20180729T223403_C0180729T22342_C001  CS_OFFL_SIR_GOPM_2_20180729T223403_C0180729T223403_C001  CS_OFFL_SIR_GOPM_2_20180729T223403_C0180729T223404_C001  CS_OFFL_SIR_GOPM_2_20180729T223404_C001  CS_OFFL_SIR_GOPM_2_20180729T233402_C0180729T223442_C001  CS_OFFL_SIR_GOPM_2_20180729T233402_C0180729T223442_C001  CS_OFFL_SIR_GOPM_2_20180729T233402_C0180729T23342_C001  CS_OFFL_SIR_GOPM_2_20180729T233403_C0180729T23342_C001  CS_OFFL_SIR_GOPM_2_20180729T233403_C0180729T233440_C001  CS_OFFL_SIR_G	CS_OFFL_SIR_GOPM_2_20180729T173211_20180729T175459_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_201807297191139_201807297194848_C001  CS_OFFL_SIR_GOPM_2_201807297193815_201807297194848_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for	CS_OFFL_SIR_GOPM_2_20180729T183001_20180729T185548_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_201807297139315_201807297120430_ CS_OFFL_SIR_GOPM_2_201807297120355_201807297120430_ CS_OFFL_SIR_GOPM_2_201807297202035_201807297201837_ CS_OFFL_SIR_GOPM_2_20180729720213_20180729720403_ COBAR Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag has been set for one or more records.  The CoBAR Range Averaging Status Flag ha	CS_OFFL_SIR_GOPM_2_20180729T190223_20180729T190649_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_201807297200355_201807297203473_C001  CS_OFFL_SIR_GOPM_2_201807297204138_20180729720340_C001  CS_OFFL_SIR_GOPM_2_201807297204138_20180729720472_C001  CS_OFFL_SIR_GOPM_2_201807297204138_20180729721242_C001  CS_OFFL_SIR_GOPM_2_201807297205017_20180729721242_C001  CS_OFFL_SIR_GOPM_2_2018072972125332_201807297212532_C001  CS_OFFL_SIR_GOPM_2_2018072972125332_2018072972122536_C001  CS_OFFL_SIR_GOPM_2_201807297222043_201807297221252_C001  CS_OFFL_SIR_GOPM_2_201807297222043_201807297222558_C001  CS_OFFL_SIR_GOPM_2_201807297222043_2018072972223002_201807297223002_201807297223002_C001  CS_OFFL_SIR_GOPM_2_20180729723002_201807297223002_C001  CS_OFFL_SIR_GOPM_2_20180729723002_01807297223002_01807297223002_01807297223002_01807297223002_01807297230002_0180	CS_OFFL_SIR_GOPM_2_20180729T191139_20180729T193501_C001	Ocean Range Averaging Status	
Ocean Range Averaging Status  CS_OFFL_SIR_GOPM_2_Z0180729T20413_20180729T20403_C001  CS_OFFL_SIR_GOPM_2_Z0180729T204138_20180729T20477_C001  CS_OFFL_SIR_GOPM_2_Z0180729T204138_20180729T211524_C001  CS_OFFL_SIR_GOPM_2_Z0180729T212683_Z0180729T211524_C001  CS_OFFL_SIR_GOPM_2_Z0180729T212683_Z0180729T211524_C001  CS_OFFL_SIR_GOPM_2_Z0180729T212683_Z0180729T21258_C001  CS_OFFL_SIR_GOPM_2_Z0180729T214002_Z0180729T21288_C001  CS_OFFL_SIR_GOPM_2_Z0180729T220204_Z0180729T221288_C001  CS_OFFL_SIR_GOPM_2_Z0180729T222002_Z0180729T222042_C001  CS_OFFL_SIR_GOPM_2_Z0180729T223002_Z0180729T223042_C001  CS_OFFL_SIR_GOPM_2_Z0180729T223092_Z0180729T223042_C001  CS_OFFL_SIR_GOPM_2_Z0180729T223092_Z0180729T223042_C001  CS_OFFL_SIR_GOPM_2_Z0180729T223092_Z0180729T223042_C001  CS_OFFL_SIR_GOPM_2_Z0180729T223092_Z0180729T223042_C001  CS_OFFL_SIR_GOPM_2_Z0180729T223182_Z0180729T2323042_C001  CS_OFFL_SIR_GOPM_2_Z0180729T233182_Z0180729T2323042_C001  CS_OFFL_SIR_GOPM_2_Z0180729T233182_Z0180729T2323042_C001  CS_OFFL_SIR_GOPM_2_Z0180729T233182_Z0180729T2323042_C001  CS_OFFL_SIR_GOPM_2_Z0180729T233182_Z0180729T2323042_C001  CS_OFFL_SIR_GOPM_2_Z0180729T233182_Z0180729T2323042_C001  CS_OFFL_SIR_GOPM_2_Z0180729T233182_Z0180729T2323042_C001  CS_OFFL_SIR_GOPM_2_Z0180729T233182_Z0180729T2323042_C001  CS_OFFL_SIR_GOPM_2_Z0180729T233182_Z0180729T2323042_C001  CS_OFFL_SIR_GOPM_2_Z0180729T33182_Z0180729T323044_C001  CS_OFFL_SIR_GOPM_2_Z0180729T333182_Z0180729T3030442_C001  CS_OFFL_SIR_GOPM_2_Z0180729T333182_Z0180729T3030442_C001  CS_OFFL_SIR_GOPM_2_Z0180729T333182_Z0180729T3030442_C001  CS_OFFL_SIR_GOPM_2_Z0180729T333182_Z0180729T3030442_C001  CS_OFFL_SIR_GOPM_2_Z0180729T333182_Z0180729T3030442_C001  CS_OFFL_SIR_GOPM_2_Z0180729T333182_Z0180729T3030442_C001  CS_OFFL_SIR_GOPM_2_Z0180729T333182_Z0180729T3030442_C001  CS_OFFL_SIR_GOPM_2_Z0180729T3333182_Z0180729T3030442_C001  CS_OFFL_SIR_GOPM_2_Z0180729T3333182_Z0180729T3030440_C001  CS_OFFL_SIR_GOPM_2_Z0180729T333332_Z0180729T3030440_C001  CS_OFFL_SIR_GOPM_2_Z0180729T333332_Z0180729T3030440_C001  CS_OF	CS_OFFL_SIR_GOPM_2_20180729T193815_20180729T194848_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180729720413_20180729720472_C001  CS_OFFL_SIR_GOPM_2_20180729720473_201807297217524_C001  CS_OFFL_SIR_GOPM_2_201807297212633_20180729721759_C001  CS_OFFL_SIR_GOPM_2_201807297212633_20180729721759_C001  CS_OFFL_SIR_GOPM_2_201807297212633_201807297212759_C001  CS_OFFL_SIR_GOPM_2_201807297212002_201807297221328_C001  CS_OFFL_SIR_GOPM_2_201807297222043_201807297222058_C001  CS_OFFL_SIR_GOPM_2_201807297222043_201807297222042_C001  CS_OFFL_SIR_GOPM_2_201807297222002_201807297222042_C001  CS_OFFL_SIR_GOPM_2_201807297222042_201807297222042_C001  CS_OFFL_SIR_GOPM_2_201807297223042_201807297222042_C001  CS_OFFL_SIR_GOPM_2_201807297223042_201807297222042_C001  CS_OFFL_SIR_GOPM_2_201807297223042_C001  CS_OFFL_SIR_GOPM_2_201807297223042_C001  CS_OFFL_SIR_GOPM_2_2018072972230312_201807297222042_C001  CS_OFFL_SIR_GOPM_2_2018072972230312_2018072972220000  CS_OFFL_SIR_GOPM_2_2018072972230312_2018072972220000  CS_OFFL_SIR_GOPM_2_2018072972330312_2018072972320000  CC_OFFL_SIR_GOPM_2_201807297230312_2018072972323402_C001  CS_OFFL_SIR_GOPM_2_201807297230312_2018072972323402_C001  CS_OFFL_SIR_GOPM_2_201807297230312_2018072972323402_C001  CS_OFFL_SIR_GOPM_2_201807297230312_2018072972323402_C001  CC_OFFL_SIR_GOPM_2_201807297230312_2018072972323402_C001  CC_OFFL_SIR_GOPM_2_201807297230312_2018072972323402_C001  CC_OFFL_SIR_GOPM_2_201807297230312_2018072972323402_C001  CC_OFFL_SIR_GOPM_2_201807297303032_C018072972323402_C001  CC_OFFL_SIR_GOPM_2_201807297303032_C01807297040942_C001  CC_OFFL_SIR_GOPM_2_201807297153616_201807297154224_C001  CC_OFFL_SIR_GOPM_2_201807297153616_201807297154224_C001  CC_OFFL_SIR_GOPM_2_201807297153616_201807297154224_C001  CC_OFFL_SIR_GOPM_2_201807297153616_201807297154004042_C001  CC_OFFL_SIR_GOPM_2_201807297153616_201807297154004042_C001  CC_OFFL_SIR_GOPM_2_201807297153616_201807297154004042_C001  CC_OFFL_SIR_GOPM_2_201807297153616_201807297154004042_C001  CC_OFFL_SIR_GOPR_2_201807297131827_201807297131834_C001  CC_OFFL_SIR_GOPR_2_201807297131827_201807297131834_C001  CC_OFFL_SIR_GOPR_2_	CS_OFFL_SIR_GOPM_2_20180729T200355_20180729T201837_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180729T250517_20180729T215242_CO01  CS_OFFL_SIR_GOPM_2_20180729T212532_20180729T212328_CO01  CS_OFFL_SIR_GOPM_2_20180729T222043_20180729T223282_CO01  CS_OFFL_SIR_GOPM_2_20180729T222043_20180729T223284_CO01  CS_OFFL_SIR_GOPM_2_20180729T222043_20180729T223042_CO01  CS_OFFL_SIR_GOPM_2_20180729T222043_20180729T223042_CO01  CS_OFFL_SIR_GOPM_2_20180729T223042_20180729T223042_CO01  CS_OFFL_SIR_GOPM_2_20180729T223042_20180729T223042_CO01  CS_OFFL_SIR_GOPM_2_20180729T223042_20180729T223042_CO01  CS_OFFL_SIR_GOPM_2_20180729T223042_20180729T223042_CO01  CS_OFFL_SIR_GOPM_2_20180729T223042_20180729T223042_CO01  CS_OFFL_SIR_GOPM_2_20180729T223042_20180729T230720_CO01  CS_OFFL_SIR_GOPM_2_20180729T233012_20180729T230720_CO01  CS_OFFL_SIR_GOPM_2_20180729T233012_20180729T230720_CO01  CS_OFFL_SIR_GOPM_2_20180729T233012_20180729T230720_CO01  CS_OFFL_SIR_GOPM_2_20180729T233012_20180729T232846_CO01  CS_OFFL_SIR_GOPM_2_20180729T231634_20180729T232846_CO01  CS_OFFL_SIR_GOPM_2_20180729T231634_20180729T2322442_CO01  CS_OFFL_SIR_GOPM_2_20180729T33132_20180729T235242_CO01  CS_OFFL_SIR_GOPM_2_20180729T353616_20180729T153616_20180729T153616_20180729T153616_20180729T153616_20180729T153634_CO01  CS_OFFL_SIR_GOPR_2_20180729T054016_20180729T054149_CO01  CS_OFFL_SIR_GOPR_2_20180729T054016_20180729T054149_CO01  CS_OFFL_SIR_GOPR_2_20180729T054016_20180729T054149_CO01  CS_OFFL_SIR_GOPR_2_20180729T0543531_20180729T054149_CO01  CS_OFFL_SIR_GOPR_2_20180729T054364_20180729T054140_CO01  CS_OFFL_SIR_GOPR_2_20180729T0543632_20180729T054140_CO01  CS_OFFL_SIR_GOPR_2_20180729T0543632_20180729T054364_CO01  CS_OFFL_SIR_GOPR_2_20180729T054364_20180729T131834_CO01  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_CO01  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_CO01  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_CO01  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_CO01  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_CO01  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_CO01  CS_OFFL_SIR_GOPR_2_20180729T131827_201807	CS_OFFL_SIR_GOPM_2_20180729T202413_20180729T203403_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180729T212633_20180729T212382_C001  CS_OFFL_SIR_GOPM_2_20180729T212633_20180729T221328_C001  CS_OFFL_SIR_GOPM_2_20180729T212002_20180729T221328_C001  CS_OFFL_SIR_GOPM_2_20180729T22043_20180729T222558_C001  CS_OFFL_SIR_GOPM_2_20180729T2220302_20180729T222042_C001  CS_OFFL_SIR_GOPM_2_20180729T2220302_20180729T223042_C001  CS_OFFL_SIR_GOPM_2_20180729T223002_20180729T223042_C001  CS_OFFL_SIR_GOPM_2_20180729T223002_20180729T223042_C001  CS_OFFL_SIR_GOPM_2_20180729T223242_20180729T223042_C001  CS_OFFL_SIR_GOPM_2_20180729T232302_20180729T223619_C001  CS_OFFL_SIR_GOPM_2_20180729T2330312_20180729T2242424_C001  CS_OFFL_SIR_GOPM_2_20180729T2330312_20180729T230720_C001  CS_OFFL_SIR_GOPM_2_20180729T330312_20180729T232846_C001  CS_OFFL_SIR_GOPM_2_20180729T330312_20180729T232846_C001  CS_OFFL_SIR_GOPM_2_20180729T330312_20180729T232846_C001  CS_OFFL_SIR_GOPM_2_20180729T330312_20180729T235242_C001  CS_OFFL_SIR_GOPM_2_20180729T35616_20180729T32846_C001  CS_OFFL_SIR_GOPM_2_20180729T35616_20180729T3040942_C001  CS_OFFL_SIR_GOPM_2_20180729T35616_20180729T3040942_C001  CS_OFFL_SIR_GOPM_2_20180729T040936_20180729T040942_C001  CS_OFFL_SIR_GOPM_2_20180729T040936_20180729T063649_C001  CS_OFFL_SIR_GOPM_2_20180729T054016_20180729T063649_C001  CS_OFFL_SIR_GOPM_2_20180729T054036_20180729T063649_C001  CS_OFFL_SIR_GOPM_2_20180729T054016_20180729T063649_C001  CS_OFFL_SIR_GOPM_2_20180729T054036_20180729T063649_C001  CS_OFFL_SIR_GOPM_2_20180729T054036_20180729T082141_C001  CCS_OFFL_SIR_GOPM_2_20180729T054036_20180729T082141_C001  CCS_OFFL_SIR_GOPM_2_20180729T054036_20180729T081441_C001  CCS_OFFL_SIR_GOPM_2_20180729T054036_20180729T0540342_C001  CCS_OFFL_SIR_GOPM_2_20180729T054036_20180729T0540342_C001  CCS_OFFL_SIR_GOPM_2_20180729T054036_20180729T0540342_C001  CCS_OFFL_SIR_GOPM_2_20180729T054036_20180729T0540342_C001  CCS_OFFL_SIR_GOPM_2_20180729T054036_20180729T0540342_C001  CCS_OFFL_SIR_GOPM_2_20180729T054036_20180729T0540342_C001  CCS_OFFL_SIR_GOPM_2_20180729T054036_20180729T0540342_C001  CCS_OFFL_SIR_GOPM_2_20180729T0540	CS_OFFL_SIR_GOPM_2_20180729T204138_20180729T204727_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180729T24002_20180729T224328_C001  Ocean Range Averaging Status  The locean 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 locean 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.  CS_OFFL_SIR_GOPM_2_20180729T223242_20180729T223019_C001  Ocean Range Averaging Status  CS_OFFL_SIR_GOPM_2_20180729T230312_20180729T230720_C001  Ocean Range Averaging Status  CS_OFFL_SIR_GOPM_2_20180729T230312_20180729T230720_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice R	CS_OFFL_SIR_GOPM_2_20180729T205017_20180729T211524_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180729T222043_20180729T222558_C001	CS_OFFL_SIR_GOPM_2_20180729T212633_20180729T212759_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180729T22302_20180729T223042_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Fl	CS_OFFL_SIR_GOPM_2_20180729T214002_20180729T221328_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180729T223242_20180729T223619_C001  CS_OFFL_SIR_GOPM_2_20180729T223242_20180729T223619_C001  CS_OFFL_SIR_GOPM_2_20180729T223709_20180729T224424_C001  CS_OFFL_SIR_GOPM_2_20180729T230312_20180729T230720_C001  CS_OFFL_SIR_GOPM_2_20180729T230312_20180729T230720_C001  CS_OFFL_SIR_GOPM_2_20180729T231634_20180729T232846_C001  CS_OFFL_SIR_GOPM_2_20180729T231634_20180729T232846_C001  CS_OFFL_SIR_GOPM_2_20180729T23132_20180729T235242_C001  CS_OFFL_SIR_GOPM_2_20180729T233132_20180729T235242_C001  CS_OFFL_SIR_GOPM_2_20180729T33132_20180729T235242_C001  CS_OFFL_SIR_GOPM_2_20180729T040936_20180729T040942_C001  CS_OFFL_SIR_GOPM_2_20180729T040936_20180729T040942_C001  CS_OFFL_SIR_GOPR_2_20180729T040936_20180729T040942_C001  CS_OFFL_SIR_GOPR_2_20180729T054016_20180729T054149_C001  CS_OFFL_SIR_GOPR_2_20180729T05533_20180729T063649_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C0001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C0001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C0001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C0001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CCS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CCS_OFFL_SIR_GOPR_2_20180729T131834_C001  CCS_OFFL_SIR_GOPR_2_20180729T131834_C001  CCS_OFFL_SIR_GOPR_2_20180729T131834_C001  CCS_OFFL_SIR_GOPR_2_20180729T131834_C001  CCS_OFFL_SIR_GOPR_2_20180729T131834_C001  CCS_OFFL_SIR_GOPR_2_20180729T132034_20180729T133037_C001  CCS_OFFL_SIR_GOPR_2_20180729T132034_20180729T133037_C001	CS_OFFL_SIR_GOPM_2_20180729T222043_20180729T222558_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180729T230312_20180729T232846_C001  CS_OFFL_SIR_GOPM_2_20180729T230312_20180729T232846_C001  CS_OFFL_SIR_GOPM_2_20180729T231634_20180729T232846_C001  CS_OFFL_SIR_GOPM_2_20180729T231634_20180729T232846_C001  CS_OFFL_SIR_GOPM_2_20180729T233132_20180729T235242_C001  CS_OFFL_SIR_GOPM_2_20180729T233132_20180729T235242_C001  CS_OFFL_SIR_GOPM_2_20180729T233132_20180729T235242_C001  CS_OFFL_SIR_GOPM_2_20180729T040936_20180729T040942_C001  CS_OFFL_SIR_GOPM_2_20180729T040936_20180729T040942_C001  CS_OFFL_SIR_GOPR_2_20180729T040936_20180729T040942_C001  CS_OFFL_SIR_GOPR_2_20180729T054016_20180729T054149_C001  CS_OFFL_SIR_GOPR_2_20180729T063533_20180729T063649_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CCean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean	CS_OFFL_SIR_GOPM_2_20180729T223002_20180729T223042_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180729T230312_20180729T230720_C001  CS_OFFL_SIR_GOPM_2_20180729T231634_20180729T232846_C001  CS_OFFL_SIR_GOPM_2_20180729T231634_20180729T235242_C001  CS_OFFL_SIR_GOPM_2_20180729T2313132_20180729T235242_C001  CS_OFFL_SIR_GOPM_2_20180729T153616_20180729T154224_C001  CS_OFFL_SIR_GOPM_2_20180729T153616_20180729T154224_C001  CS_OFFL_SIR_GOPM_2_20180729T040936_20180729T040942_C001  CS_OFFL_SIR_GOPR_2_20180729T040936_20180729T040942_C001  CS_OFFL_SIR_GOPR_2_20180729T054016_20180729T054149_C001  CS_OFFL_SIR_GOPR_2_20180729T063533_20180729T063649_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T132037	CS_OFFL_SIR_GOPM_2_20180729T223242_20180729T223619_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_201807291230312_201807291232846_C001  CS_OFFL_SIR_GOPM_2_201807297231634_201807297232846_C001  CS_OFFL_SIR_GOPM_2_201807297233132_201807297235242_C001  CS_OFFL_SIR_GOPM_2_201807297233132_201807297235242_C001  CS_OFFL_SIR_GOPM_2_201807297153616_201807297154224_C001  CS_OFFL_SIR_GOPM_2_201807297040936_201807297154224_C001  CS_OFFL_SIR_GOPR_2_201807297040936_201807297040942_C001  CS_OFFL_SIR_GOPR_2_201807297054016_201807297054149_C001  CS_OFFL_SIR_GOPR_2_201807297053533_201807297053649_C001  CS_OFFL_SIR_GOPR_2_201807297063533_201807297063649_C001  CS_OFFL_SIR_GOPR_2_201807297082036_201807297082141_C001  CS_OFFL_SIR_GOPR_2_201807297082036_201807297082141_C001  CS_OFFL_SIR_GOPR_2_201807297082036_201807297082141_C001  CS_OFFL_SIR_GOPR_2_201807297131827_201807297131834_C001  CS_OFFL_SIR_GOPR_2_201807297131827_201807297131834_C001  CS_OFFL_SIR_GOPR_2_201807297131827_201807297131834_C001  CS_OFFL_SIR_GOPR_2_201807297131827_201807297131834_C001  CS_OFFL_SIR_GOPR_2_201807297131827_201807297131834_C001  CCS_OFFL_SIR_GOPR_2_20180729713182034_201807297132037_C001  CCS_OFFL_SIR_GOPR_2_2018072971332024_201807297132037_C001  CCS_OFFL_SIR_GOPR_2_2018072971332024_201807297133615_C001  CCS_OFFL_SIR_GOPR_2_2018072971332024_201807297132037_C001  CCS_OFFL_SIR_GOPR_2_2018072971332024_201807297133615_C001  CCS_OFFL_SIR_GOPR_2_201807297133046_201807297133615_C001  CCS_OFFL_SIR_GOPR_2_201807297133046_201807297133615_C001  CCS_OFFL_SIR_GOPR_	CS_OFFL_SIR_GOPM_2_20180729T223709_20180729T224424_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180729T233132_20180729T235242_C001  CS_OFFL_SIR_GOPM_2_20180729T153616_20180729T154224_C001  CS_OFFL_SIR_GOPN_2_20180729T153616_20180729T154224_C001  CS_OFFL_SIR_GOPR_2_20180729T040936_20180729T040942_C001  CS_OFFL_SIR_GOPR_2_20180729T054016_20180729T040942_C001  CS_OFFL_SIR_GOPR_2_20180729T054016_20180729T054149_C001  CS_OFFL_SIR_GOPR_2_20180729T054016_20180729T054149_C001  CS_OFFL_SIR_GOPR_2_20180729T063533_20180729T063649_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CCean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging 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_GOPM_2_20180729T230312_20180729T230720_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPN_2_20180729T153616_20180729T154224_C001  Ice Range Averaging Status  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPR_2_20180729T054016_20180729T054149_C001  CS_OFFL_SIR_GOPR_2_20180729T063533_20180729T063649_C001  CS_OFFL_SIR_GOPR_2_20180729T062036_20180729T062141_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CS_OFFL_SIR_GOPR_2_20180729T132024_20180729T132037_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOPM_2_20180729T231634_20180729T232846_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPR_2_20180729T040936_20180729T040942_C001  CS_OFFL_SIR_GOPR_2_20180729T054016_20180729T054149_C001  CS_OFFL_SIR_GOPR_2_20180729T054016_20180729T054149_C001  CS_OFFL_SIR_GOPR_2_20180729T054016_20180729T054149_C001  CS_OFFL_SIR_GOPR_2_20180729T063533_20180729T063649_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CS_OFFL_SIR_GOPR_2_20180729T132024_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T132024_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T135546_20180729T153615_C001  CS_OFFL_SIR_GOPR_2_20180729T153546_20180729T153615_C001  CC_CORR_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_GOPM_2_20180729T233132_20180729T235242_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPR_2_20180729T054016_20180729T054149_C001  CS_OFFL_SIR_GOPR_2_20180729T054016_20180729T054149_C001  CS_OFFL_SIR_GOPR_2_20180729T063533_20180729T063649_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CS_OFFL_SIR_GOPR_2_20180729T132024_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T132024_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T132034_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T132034_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T132034_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T132034_20180729T132037_C001  CC_COMPRISING GOPR_2_20180729T132044_20180729T132037_C001  CC_COMPRISING 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_GOPN_2_20180729T153616_20180729T154224_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPR_2_20180729T083533_20180729T083649_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CS_OFFL_SIR_GOPR_2_20180729T132024_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T132024_20180729T132037_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOPR_2_20180729T040936_20180729T040942_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001  CS_OFFL_SIR_GOPR_2_20180729T132024_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T132024_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T132034_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T132034_20180729T132037_	CS_OFFL_SIR_GOPR_2_20180729T054016_20180729T054149_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPR_2_20180729T132024_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T132024_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T132024_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T132024_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T132037_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOPR_2_20180729T063533_20180729T063649_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPR_2_20180729T131627_20180729T131634_C001  CS_OFFL_SIR_GOPR_2_20180729T132024_20180729T132037_C001  CS_OFFL_SIR_GOPR_2_20180729T132024_20180729T132037_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOPR_2_20180729T082036_20180729T082141_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPR_2_20180/291132024_20180/291132037_C001  Ocean Range Averaging Status  records.  The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_GOPR_2_20180729T131827_20180729T131834_C001	Ocean Range Averaging Status	records.
	CS_OFFL_SIR_GOPR_2_20180729T132024_20180729T132037_C001	Ocean Range Averaging Status	records.
	CS_OFFL_SIR_GOPR_2_20180729T153546_20180729T153615_C001	Ocean Range Averaging Status	

# 5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
	1	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T004710_20180729T005126_C001	lice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T005144_20180729T005540_C001		The Ice Backscatter Averaging Status Flag has been set for one or more records.

SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T010028\_20180729T013409\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180729T014624 20180729T020102 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T020543\_20180729T020705\_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T021405\_20180729T022248\_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20180729T022507\_20180729T023024\_C001 Ice Backscatter Averaging Status records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T024101\_20180729T025403\_C001 Backscatter Averaging Status more records The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS OFFL SIR GOPM 2 20180729T025617 20180729T031300 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180729T033537 20180729T034603 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T034742\_20180729T040136\_C001 more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20180729T040432\_20180729T040935\_C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20180729T040942\_20180729T040953\_C001 Ice Backscatter Averaging Status records. The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20180729T041000\_20180729T041114\_C001 Ice Backscatter Averaging Status records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T042609\_20180729T043009\_C001 Backscatter Averaging Status more records The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS\_OFFL\_SIR\_GOPM\_2\_20180729T043650\_20180729T043954\_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T044117\_20180729T044813\_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180729T052004 20180729T054016 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20180729T054446\_20180729T054852\_C001 Ice Backscatter Averaging Status records The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20180729T054858\_20180729T054907\_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180729T055608 20180729T062151 C001 **Backscatter Averaging Status** more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T065541\_20180729T071936\_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more Ice Backscatter Averaging Status CS\_OFFL\_SIR\_GOPM\_2\_20180729T072239\_20180729T072806\_C001 records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180729T072812 20180729T073137 C001 Ice Backscatter Averaging Status records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T073523\_20180729T074607\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180729T075144 20180729T080725 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180729T082312 20180729T082820 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180729T083040 20180729T085214 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T085428\_20180729T085909\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T091538\_20180729T094802\_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T100052\_20180729T100219\_C001 more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180729T102245 20180729T103053 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T103113\_20180729T103716\_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more Ice Backscatter Averaging Status CS\_OFFL\_SIR\_GOPM\_2\_20180729T104215\_20180729T104732\_C001 records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180729T105432 20180729T111544 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T111829\_20180729T113010\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T113917\_20180729T114402\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180729T115909 20180729T120435 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T120622\_20180729T121645\_C001 **Backscatter Averaging Status** more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180729T122340 20180729T122632 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180729T123351 20180729T131008 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T132245\_20180729T132936\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T132950\_20180729T135408\_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180729T140344 20180729T140538 C001 Ice Backscatter Averaging Status records The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20180729T140802\_20180729T141029\_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T141306\_20180729T142906\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T142912\_20180729T144120\_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20180729T145736\_20180729T150135\_C001 Ice Backscatter Averaging Status records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180729T150257 20180729T151842 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T152735\_20180729T153545\_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20180729T154224\_20180729T154455\_C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180729T154520 20180729T154945 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180729T155236\_20180729T160630\_C001 Backscatter Averaging Status more records.

	1	
CS_OFFL_SIR_GOPM_2_20180729T160810_20180729T161241_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_GOPM_2_20180729T164458_20180729T165208_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_GOPM_2_20180729T165331_20180729T171631_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_GOPM_2_20180729T172007_20180729T172900_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T173211_20180729T175459_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_GOPM_2_20180729T183001_20180729T185548_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_GOPM_2_20180729T191139_20180729T193501_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_GOPM_2_20180729T193815_20180729T194848_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_GOPM_2_20180729T200355_20180729T201837_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_GOPM_2_20180729T202413_20180729T203403_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_GOPM_2_20180729T204138_20180729T204727_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T205017_20180729T211524_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_GOPM_2_20180729T212633_20180729T212759_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_GOPM_2_20180729T214002_20180729T221328_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_GOPM_2_20180729T222043_20180729T222558_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180729T223002_20180729T223042_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_GOPM_2_20180729T223242_20180729T223619_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_GOPM_2_20180729T223709_20180729T224424_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_GOPM_2_20180729T230312_20180729T230720_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_GOPM_2_20180729T231634_20180729T232846_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_GOPM_2_20180729T233132_20180729T235242_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_GOPR_2_20180729T040936_20180729T040942_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180729T054016_20180729T054149_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_GOPR_2_20180729T063533_20180729T063649_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_GOPR_2_20180729T082036_20180729T082141_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_GOPR_2_20180729T131827_20180729T131834_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_GOPR_2_20180729T132024_20180729T132037_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_GOPR_2_20180729T153546_20180729T153615_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

#### 5.8 L2 Ocean Retracking Quality Check

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

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

Number of products with errors:

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

### 6.1 P2P Product Format Check

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

Number of products with errors:

### 6.2 P2P Product Header Analysis

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

Number of products with errors:

### 6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

#### 6.4 P2P Auxiliary Correction Error Check

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

0

Number of products with errors:

### 6.5 P2P Measurement Confidence Data Check

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180729T032013_20180729T040951_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220180729T040951_20180729T045926_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

CS_OFFL_SIR_GOP_2_20180729T054905_20180729T063840_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220180729T063840_20180729T072819_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:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20180729T000145_20180729T005124_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180729T005124_20180729T014059_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180729T014059_20180729T023038_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180729T023038_20180729T032013_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180729T032013_20180729T040951_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180729T040951_20180729T045926_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180729T045926_20180729T054905_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180729T054905_20180729T063840_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T063840_20180729T072819_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180729T072819_20180729T081753_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180729T081753_20180729T090732_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T090732_20180729T095707_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T095707_20180729T104646_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180729T104646_20180729T113620_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T113620_20180729T122600_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T122600_20180729T131534_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180729T131534_20180729T140513_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180729T140513_20180729T145448_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T145448_20180729T154427_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180729T154427_20180729T163401_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180729T163401_20180729T172340_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180729T172340_20180729T181315_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T181315_20180729T190254_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180729T190254_20180729T195228_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180729T195228_20180729T204208_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180729T204208_20180729T213142_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T213142_20180729T222121_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180729T222121_20180729T231056_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T231056_20180730T000035_C002	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

### 6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20180729T000145_20180729T005124_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_GOP_2_20180729T005124_20180729T014059_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_GOP_2_20180729T014059_20180729T023038_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_GOP_2_20180729T023038_20180729T032013_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_GOP_220180729T032013_20180729T040951_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_GOP_2_20180729T040951_20180729T045926_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_GOP_2_20180729T045926_20180729T054905_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_GOP_2_20180729T054905_20180729T063840_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_GOP_2_20180729T063840_20180729T072819_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_GOP_2_20180729T072819_20180729T081753_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_GOP_2_20180729T081753_20180729T090732_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_GOP_2_20180729T090732_20180729T095707_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_GOP_220180729T095707_20180729T104646_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_GOP_2_20180729T104646_20180729T113620_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_GOP_220180729T113620_20180729T122600_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_GOP_2_20180729T122600_20180729T131534_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_GOP_220180729T131534_20180729T140513_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_GOP_2_20180729T140513_20180729T145448_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_GOP_2_20180729T145448_20180729T154427_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_GOP_2_20180729T154427_20180729T163401_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_GOP_2_20180729T163401_20180729T172340_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_GOP_2_20180729T172340_20180729T181315_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_GOP_2_20180729T181315_20180729T190254_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_GOP_220180729T190254_20180729T195228_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_GOP_220180729T195228_20180729T204208_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_GOP_2_20180729T204208_20180729T213142_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_GOP_2_20180729T213142_20180729T222121_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_GOP_2_20180729T222121_20180729T231056_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_GOP_220180729T231056_20180730T000035_C002	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

# 6.8 P2P Ocean Retracking Quality Check

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180729T000145_20180729T005124_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180729T005124_20180729T014059_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180729T014059_20180729T023038_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180729T023038_20180729T032013_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180729T032013_20180729T040951_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180729T040951_20180729T045926_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180729T045926_20180729T054905_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180729T063840_20180729T072819_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180729T072819_20180729T081753_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T081753_20180729T090732_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.

CS_OFFL_SIR_GOP_2_20180729T090732_20180729T095707_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T095707_20180729T104646_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T104646_20180729T113620_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T113620_20180729T122600_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T122600_20180729T131534_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T131534_20180729T140513_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T140513_20180729T145448_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T145448_20180729T154427_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T154427_20180729T163401_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T163401_20180729T172340_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T172340_20180729T181315_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T181315_20180729T190254_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T190254_20180729T195228_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T204208_20180729T213142_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T213142_20180729T222121_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T222121_20180729T231056_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180729T231056_20180730T000035_C002	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.