



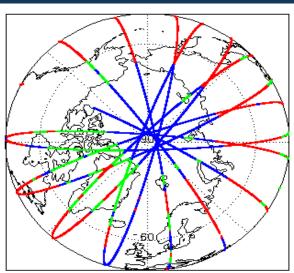
## 1. Overview

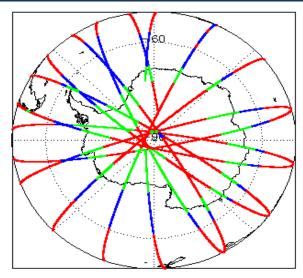
Report Production:	31-Aug-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

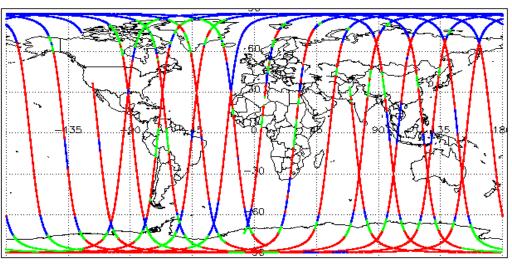
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

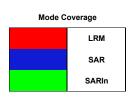
Mission / Instrument News		
31-Jul-2018	None	
01-Aug-2018	SIRAL unavailability from 18:43:44 on 01-Aug-2018 to 16:30:58 on 02-Aug-2018 due to an unplanned platform anomaly.	
02-Aug-2018	SIRAL unavailability from 18:43:44 on 01-Aug-2018 to 16:30:58 on 02-Aug-2018 due to an unplanned platform anomaly.	

# 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:

Λ

#### 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:

18

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180801T004116_20180801T004124_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180801T024008_20180801T025141_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180801T034215_20180801T035609_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180801T114025_20180801T121557_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180801T151554_20180801T152516_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180801T154808_20180801T160441_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180801T004027_20180801T004115_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180801T004156_20180801T004609_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180801T022412_20180801T022514_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180801T032318_20180801T032436_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180801T035836_20180801T040140_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180801T054750_20180801T054823_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180801T104537_20180801T104618_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180801T140701_20180801T140820_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180801T172135_20180801T172724_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180801T091829_20180801T092009_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180801T095743_20180801T100137_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180801T153532_20180801T153937_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:

0

#### 5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

0

## 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

0

## 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.

Command Comm	Product	Test Failed	Description
Confert Bill Confert 2 (2010001100012) (20100011000012) (20100011000012) (20100011000012) (20100011000012) (20100011000012) (201000110000012) (20100011000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20180801T000734_20180801T001742_C001	Ocean Range Averaging Status	
Communication   Communicatio	CS_OFFL_SIR_GOPM_2_20180801T001756_20180801T002646_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Se gers, six ger	CS OFFL SIR GOPM 2 20180801T002742 20180801T003147 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
COUNT_SEC_COME_2010001T00102_0100001T00102_010001T00102_0			The Ocean Range Averaging Status Flag has been set for one or more
Section   Section   Company   Averaging States   The Company   A			
Comp. Biol. Biol. Biol. Comp. Biol. Biol. Biol. Comp. Biol.			
Copyrights Copyrights State 1 Section 1 Sectio	CS_OFFL_SIR_GOPM_2_20180801T012129_20180801T012923_C001	Ocean Range Averaging Status	records.
Comp. 18th Comm. 2 proteom 12 part (1955) 1	CS_OFFL_SIR_GOPM_2_20180801T013150_20180801T013716_C001	Ice Range Averaging Status	records.
COFFE, SR, COFM 2 2019091TTC00102, 2019091TTC00101, COST COFFE, SR, COFM 2 2019091TTC00102, 2019091TTC00102, COST COFFE, SR, COFM 2 2019091TTC00102, COST COFFE, S	CS_OFFL_SIR_GOPM_2_20180801T014820_20180801T020048_C001	Ocean Range Averaging Status	records.
Conful Size County 2 or International Confusional Conf	CS_OFFL_SIR_GOPM_2_20180801T020127_20180801T021838_C001	Ocean Range Averaging Status	
Company and company design from the control of the	CS_OFFL_SIR_GOPM_2_20180801T024008_20180801T025141_C001	Ocean Range Averaging Status	
In records (Appl. 2) possess traces of a construction of the const	CS_OFFL_SIR_GOPM_2_20180801T025345_20180801T030828_C001	Ocean Range Averaging Status	
CS_OFF_SR_COPM_2_201000011103162_201000011103162_C01001 CO_OFF_SR_COPM_2_201000011103162_C01001 CO_OFF_SR_COPM_2_201000011103162_C01001 CO_OFF_SR_COPM_2_201000011103162_C010001103162_C01001 CO_OFF_SR_COPM_2_201000011103162_C0100011103162_C01001 CO_OFF_SR_COPM_2_201000011103162_C0100011103162_C01001 CO_OFF_SR_COPM_2_201000011103162_C0100011103162_C01001 CO_OFF_SR_COPM_2_201000011103162_C0100011103162_C01001 CO_OFF_SR_COPM_2_201000011103162_C0100011103162_C01001 CO_OFF_SR_COPM_2_201000011103162_C01001 CO_OFF_SR_COPM_2_20100001	CS_OFFL_SIR_GOPM_2_20180801T031116_20180801T031613_C001	Ice Range Averaging Status	
CS_OFF_SR_COPU_2_2018001TB021F	CS_OFFL_SIR_GOPM_2_20180801T031652_20180801T031813_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_COM_2_20100017103421_20100017104712_001  CS_OFFL_SIR_COM_2_20100017104000_0010001704712_001  CS_OFFL_SIR_COM_2_20100017104000_0010001704712_001  CS_OFFL_SIR_COM_2_20100017104000_0010001704712_001  CS_OFFL_SIR_COM_2_2010001704000_0010001704071_0001  CS_OFFL_SIR_COM_2_2010001704000_00100017040007_0001  CS_OFFL_SIR_COM_2_20100017000007_0000071040007_0001  CS_OFFL_SIR_COM_2_20100017000007_0000071040007_0001  CS_OFFL_SIR_COM_2_20100017000007_00000710400007_000007  CS_OFFL_SIR_COM_2_20100017000007_00000710400007_000007  CS_OFFL_SIR_COM_2_201000017000007_000007_000007_000007  CS_OFFL_SIR_COM_2_201000017000007_000	CS_OFFL_SIR_GOPM_2_20180801T032516_20180801T033734_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CB_OFFL_SIR_COPM_2_201808017104302_20180801704502_20180801704507_CO01  CB_OFFL_SIR_COPM_2_201808017045002_20180801704507_CO01  CB_OFFL_SIR_COPM_2_201808017045002_20180801704507_CO01  CB_OFFL_SIR_COPM_2_201808017045002_20180801704507_CO01  CB_OFFL_SIR_COPM_2_201808017045002_20180801704507_CO01  CB_OFFL_SIR_COPM_2_201808017045002_201808017045040_CO01  CB_OFFL_SIR_COPM_2_201808017045002_201808017045040_CO01  CB_OFFL_SIR_COPM_2_201808017045002_201808017045040_CO01  CB_OFFL_SIR_COPM_2_201808017045002_201808017045040_CO01  CB_OFFL_SIR_COPM_2_201808017045040_C0010  CB_OFFL_SIR_COPM_2_201808017046040_C0010  CB_OFFL_SIR_COPM_2_201808017046040_C0010040173040_C001  CB_OFFL_SIR_COPM_2_201808017046040_C0010040173040_C001  CB_OFFL_SIR_COPM_2_201808017046040_C0010040173040_C001  CB_OFFL_SIR	CS_OFFL_SIR_GOPM_2_20180801T034215_20180801T035609_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_2016880111046527_00181  CS_OFFL_SIR_GOPM_2_201688011046527_001804011062847_0010  CS_OFFL_SIR_GOPM_2_201688011062847_0010  CS_OFFL_SIR_GOPM_2_201688011063847_0010  CS_OFFL_SIR_GOPM_2_201688011063847_0010  CS_OFFL_SIR_GOPM_2_201688011106347_001865847_0011  CS_OFFL_SIR_GOPM_2_201688011106347_001865847_0011  CS_OFFL_SIR_GOPM_2_201688011106347_001865811063547_0011  CS_OFFL_SIR_GOPM_2_201688011106347_001865811106447_0011  CS_OFFL_SIR_GOPM_2_201688011110647_0011  CS_OFFL_			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_201600117045107_C001  CS_OFFL_SIR_GOPM_2_201600117050107_C00100011705247_C001  CS_OFFL_SIR_GOPM_2_201600117050107_C01600011705247_C001  CS_OFFL_SIR_GOPM_2_201600117050107_C01600011705240_C001  CS_OFFL_SIR_GOPM_2_2016000117050107_C01600011705240_C001  CS_OFFL_SIR_GOPM_2_2016000117050107_C01600011705340_C001  CS_OFFL_SIR_GOPM_2_2016000117050107_C01600011705340_C001  CS_OFFL_SIR_GOPM_2_2016000117050107_C01600011705340_C001  CS_OFFL_SIR_GOPM_2_2016000117050540_C001  CS_OFFL_SIR_GOPM_2_201600011705050_C00100011705040_C001  CS_OFFL_SIR_GOPM_2_201600011705050_C00100011705040_C001  CS_OFFL_SIR_GOPM_2_201600011705050_C00100011705050_C001  CS_OFFL_SIR_GOPM_2_201600011705050_C00100011705050_C001  CS_OFFL_SIR_GOPM_2_201600011705050_C00100011705050_C001  CS_OFFL_SIR_GOPM_2_201600011700507_C001  CS_OFFL_SIR_GOPM_2_201600011700507_C001  CS_OFFL_SIR_GOPM_2_2016000117100507_C001  CS_OFFL_SIR_GOPM_2_2016000117100507_C001  CS_OFFL_SIR_GOPM_2_2016000111100507_C001  CS_OFFL_SIR_GOPM_			The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_COPM_2_201688011704019_201680117042802_CO01 CS_OFFL_SIR_COPM_2_20168801706304_201680017062002_CO01 CS_OFFL_SIR_COPM_2_20168801706308_20168001706304_CO01 CS_OFFL_SIR_COPM_2_20168001706305_20168001706300_CO01 CS_OFFL_SIR_COPM_2_20168001706305_20168001706305_CO01 CS_OFFL_SIR_COPM_2_20168001706414_20168001706305_CO01 CS_OFFL_SIR_COPM_2_20168001706414_20168001706405_CO01 CS_OFFL_SIR_COPM_2_20168001706414_20168001708605_CO01 CS_OFFL_SIR_COPM_2_20168001706414_20168001708605_CO01 CS_OFFL_SIR_COPM_2_20168001706415_CO01 CS_OFFL_SIR_COPM_2_20168001706415_CO01 CS_OFFL_SIR_COPM_2_20168001706415_CO01 CS_OFFL_SIR_COPM_2_20168001706415_CO01 CS_OFFL_SIR_COPM_2_20168001706405_CO01 CS_OFFL_SIR_COPM_2_201680017106405_CO01 CS_OFFL_SIR_COP			
CS_OFFL_SIR_GOPM_2_20168801708304_20168801708305_C001  CS_OFFL_SIR_GOPM_2_20168801708305_20168001708305_C001  CS_OFFL_SIR_GOPM_2_20168801708305_20168001708305_C001  CS_OFFL_SIR_GOPM_2_20168801708305_20168001708305_C001  CS_OFFL_SIR_GOPM_2_20168801708305_20168001708305_C001  CS_OFFL_SIR_GOPM_2_20168801708305_20168001708305_C001  CS_OFFL_SIR_GOPM_2_20168801708305_20168001708305_C001  CS_OFFL_SIR_GOPM_2_20168801708305_C001  CS_OFFL_SIR_GOPM_2_20168801708305_C001  CS_OFFL_SIR_GOPM_2_20168801708305_C001  CS_OFFL_SIR_GOPM_2_20168801708305_C001  CS_OFFL_SIR_GOPM_2_20168801708305_C001  CS_OFFL_SIR_GOPM_2_20168801708305_C001  CS_OFFL_SIR_GOPM_2_20168801708305_C001  CS_OFFL_SIR_GOPM_2_20168801708405_C001  CS_OFFL_SIR_GOPM_2_201688017104405_C0168801704405_C001  CS_OFFL_SIR_GOPM_2_20168801704405_C0168801704405_C001			
SC. OFFL_SIR_GOPM_2_201808011003304_201808011003304_0001  CS. OFFL_SIR_GOPM_2_201808011003304_201808011003830_0001  CS. OFFL_SIR_GOPM_2_201808011003304_201808011003830_0001  CS. OFFL_SIR_GOPM_2_201808011003304_201808011003830_0001  CS. OFFL_SIR_GOPM_2_201808011003304_201808011003830_0001  CS. OFFL_SIR_GOPM_2_201808011003304_20180801100303_0001  CS. OFFL_SIR_GOPM_2_201808011003304_20180801100303_0001  CS. OFFL_SIR_GOPM_2_201808011003304_20180801100303_0001  CS. OFFL_SIR_GOPM_2_201808011003304_201808011003054_0001  CS. OFFL_SIR_GOPM_2_201808011003304_201808011003050_0001  CS. OFFL_SIR_GOPM_2_201808011003304_201808011003050_0001  CS. OFFL_SIR_GOPM_2_201808011003304_201808011003050_0001  CS. OFFL_SIR_GOPM_2_201808011003304_201808011003050_0001  CS. OFFL_SIR_GOPM_2_201808011003304_201808011003050_0001  CS. OFFL_SIR_GOPM_2_201808011003304_201808011003050_0001  CS. OFFL_SIR_GOPM_2_20180801100337_2018080011003500_0001  CS. OFFL_SIR_GOPM_2_20180801100337_2018080011003500_0001  CS. OFFL_SIR_GOPM_2_20180801100337_2018080011003500_0001  CS. OFFL_SIR_GOPM_2_20180801100337_2018080011003500_0001  CS. OFFL_SIR_GOPM_2_201808011100337_2018080011003500_0001  CS. OFFL_SIR_GOPM_2_201808011100337_2018080011003500_0001  CS. OFFL_SIR_GOPM_2_201808011100337_2018080011003500_0001  CS. OFFL_SIR_GOPM_2_201808011100337_201808001103500_0001  CS. OFFL_SIR_GOPM_2_201808011100337_2018080011103500_0001  CS. OFFL_SIR_GOPM_2_201808011100337_2018080011103500_0001  CS. OFFL_SIR_GOPM_2_201808011100337_2018080011103500_0001  CS. OFFL_SIR_GOPM_2_201808011100332_201808001112050_0001  CS. OFFL_SIR_GOPM_2_201808001110303_201808001112050_0001  CS. OFFL_SIR_GOPM_2_201808001110303_201808001112050_0001  CS. OFFL_SIR_GOPM_2_201808001110303_201808001112050_0001  CS. OFFL_SIR_GOPM_2_201808001110303_201808001112050_0001  CS. OFFL_SIR_GOPM_2_201808001110303_201808001112050_0001  CS. OFFL_SIR_GOPM_2_201808001113032_201808001112050_0001  CS. OFFL_SIR_GOPM_2_201808001113032_2018080011130500_0001  CS. OFFL_SIR_GOPM_2_201808001113032_2018080011130500_0001  CS. OFFL_SI			
to Frage Averaging Status Fig. has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20168801106454_20168801106835_001  CS_OFFL_SIR_GOPM_2_201688011064558_20168801106835_001  CS_OFFL_SIR_GOPM_2_201688011064558_20168801106805_001  CS_OFFL_SIR_GOPM_2_201688011064558_20168801106805_001  CS_OFFL_SIR_GOPM_2_20168801106558_001  CS_OFFL_SIR_GOPM_2_20168801106458_001  CS_OFFL_SIR_GOPM_2_20168801106458_001  CS_OFFL_SIR_GOPM_2_20168801106458_001  CS_OFFL_SIR_GOPM_2_20168801106458_001  CS_OFFL_SIR_GOPM_2_20168801106458_001  CS_OFFL_SIR_GOPM_2_201688011106458_001  CS_OFFL_SIR_GOPM_2_2016880111106458_001  CS_OFFL_SIR_GOPM_2_2016880111106458_001  CS_OFFL_SIR_GOPM_2_2016880111106458_001  CS_OFFL_SIR_GOPM_2_2016880111106458_001  CS_OFFL_SIR_GOPM_2_2016880111106458_001  CS_OFFL_SIR_GOPM_2_201688011106458_001  CS_OFFL_SIR_GOPM_2_2016880111106458_001  CS_OFFL_SIR_GOPM_2_2016880111106458_0			records.
CS_OFFL_SIR_GOPM_2_20180901T064540_20180901T069535_C001  Ocean Range Averaging Status  Fine Coean Range Averaging Status Flag has been set for one or more excords.  The Coean Range Averaging Status Flag has been set for one or more excords.  The Coean Range Averaging Status Flag has been set for one or more excords.  The Coean Range Averaging Status Flag has been set for one or more excords.  The Coean Range Averaging Status Flag has been set for one or more excords.  The Coean Range Averaging Status Flag has been set for one or more excords.  The Coean Range Averaging Status Flag has been set for one or more excords.  The Coean Range Averaging Status Flag has been set for one or more excords.  The Coean Range Averaging Status Flag has been set for one or more excords.  The Coean Range Averaging Status Flag has been set for one or more excords.  The Coean Range Averaging Status Flag has been set for one or more excords.  The Coean Range Averaging Status Flag has been set for one or more excords.  The Coean Range Averaging Status Flag has been set for one or more excords.  The Coean Range Averaging Status Flag has been set for one or more excords.  The Coean Range Averaging Status Flag has been set for one or more excords.  The Coean Range Averaging Status Flag has been set for one or more records.  The Coean Range Averaging Status Flag has been set for one or more records.  The Coean Range Averaging Status Flag has been set for one or more records.  The Coean Range Averaging Status Flag has been set for one or more records.  The Coean Range Averaging Status Flag has been set for one or more records.  The Coean Range Averaging Status Flag has been set for one or more records.  The Coean Range Averaging Status Flag has been set for one or more records.  The Coean Range Averaging Status Flag has been set for one or more records.  The Coean Range Averaging Status Flag has been set for one or more records.  The Coean Range Averaging Status Flag has been set for one or more records.  The Coean Range Averaging Status			records.
CS_OFFL_SIR_GOPM_2_201808011706393_201808017070404_C001  CS_OFFL_SIR_GOPM_2_201808011706393_201808017070404_C001  CS_OFFL_SIR_GOPM_2_201808011706393_20180801708083_C001  CS_OFFL_SIR_GOPM_2_201808011706393_20180801708208_C001  CS_OFFL_SIR_GOPM_2_201808011708220_20180801708208_C001  CS_OFFL_SIR_GOPM_2_20180801708405_20180801708208_C001  CS_OFFL_SIR_GOPM_2_20180801708405_20180801708208_C001  CS_OFFL_SIR_GOPM_2_20180801708405_20180801708538_C001  CS_OFFL_SIR_GOPM_2_20180801708405_20180801708538_C001  CS_OFFL_SIR_GOPM_2_20180801708405_201808017085406_C001  CS_OFFL_SIR_GOPM_2_20180801708405_201808017085406_C001  CS_OFFL_SIR_GOPM_2_20180801704405_2018080171035540_C001  CS_OFFL_SIR_GOPM_2_201808017104586_2018080171035540_C001  CS_OFFL_SIR_GOPM_2_201808017104586_201808017103551_C001  CS_OFFL_SIR_GOPM_2_201808017104586_20180801710357_C001  CS_OFFL_SIR_GOPM_2_201808017114055_201808017112307_C001  CS_OFFL_SIR_GOPM_2_201808017114055_201808017112307_C001  CS_OFFL_SIR_GOPM_2_201808017114055_201808017112305_C001  CS_OFFL_SIR_GOPM_2_2018080171123814_201808017112385_C001  CS_OFFL_SIR_GOPM_2_2018080171123814_2018080171123856_C001  CS_OFFL_SIR_GOPM_2_2018080171132814_2018080171123856_C001  CS_OFFL_SIR_GOPM_2_2018080171132814_2018080171123856_C001  CS_OFFL_SIR_GOPM_2_20180801713303_20180801713286_C001  CS_OFFL_SIR_GOPM_2_20180801713303_20180801713286_C001  CS_OFFL_SIR_GOPM_2_20180801713303_201808017132846_C001  CS_OFFL_SIR_GOPM_2_20180801713303_201808017132846_C001  CS_OFFL_SIR_GOPM_2_20180801714383_20180801713286_C001  CS_OFFL_SIR_GOPM_2_20180801714383_20180801713286_C001  CS_OFFL_SIR_GOPM_2_20180801714383_20180801713286_C001  CS_OFFL_SIR_GOPM_2_20180801714383_20180801713286_C001  CS_OFFL_SIR_GOPM_2_20180801714383_20180801713286_C001  CS_OFFL_SIR_GOPM_2_20180801714383_20180801713286_C001  CS_OFFL_SIR_GOPM_2_20180801714383_20180801713286_C001  CS_OFFL_SIR_GOPM_2_20180801714383_20180801713286_C001  CS_OFFL_SIR_GOPM_2_20180801714383_20180801713286_C001  CS_OFFL_SIR_GOPM_2_20180801714383_201808017145350_C001  CS_OFFL_SIR_GOPM_2_201808	CS_OFFL_SIR_GOPM_2_20180801T063504_20180801T063830_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180801T074134_20180801T08093_CO01 CS_OFFL_SIR_GOPM_2_20180801T080388_20180801T08328_CO01 CS_OFFL_SIR_GOPM_2_20180801T082200_20180801T08328_CO01 CS_OFFL_SIR_GOPM_2_20180801T082374_20180801T08328_CO01 CS_OFFL_SIR_GOPM_2_20180801T082374_20180801T08328_CO01 CS_OFFL_SIR_GOPM_2_20180801T082374_20180801T084500_CO01 CS_OFFL_SIR_GOPM_2_20180801T084508_20180801T084500_CO01 CS_OFFL_SIR_GOPM_2_20180801T084508_20180801T084500_CO01 CS_OFFL_SIR_GOPM_2_20180801T084508_20180801T084500_CO01 CS_OFFL_SIR_GOPM_2_20180801T084508_20180801T084500_CO01 CS_OFFL_SIR_GOPM_2_20180801T084508_20180801T08558_CO01 CS_OFFL_SIR_GOPM_2_20180801T084508_20180801T108557_CO01 CS_OFFL_SIR_GOPM_2_20180801T104646_20180801T1104647_CO01 CS_OFFL_SIR_GOPM_2_20180801T1104648_201808001T1104647_CO01 CS_OFFL_SIR_GOPM_2_20180801T1104648_201808001T112507_CO01 CS_OFFL_SIR_GOPM_2_20180801T1104648_201808001T112507_CO01 CS_OFFL_SIR_GOPM_2_20180801T1104508_201808001T112507_CO01 CS_OFFL_SIR_GOPM_2_201808001T1104508_201808001T112507_CO01 CS_OFFL_SIR_GOPM_2_201808001T1104508_201808001T112507_CO01 CS_OFFL_SIR_GOPM_2_201808001T1104508_201808001T112507_CO01 CS_OFFL_SIR_GOPM_2_201808001T1104508_201808001T110508_CO01 CS_OFFL_SIR_GOPM_2_201808001T12508_201808001T110508_CO01 CS_OFFL_SIR_GOPM_2_201808001T12508_201808001T110508_CO01 CS_OFFL_SIR_GOPM_2_201808001T12508_201808001T110508_CO01 CS_OFFL_SIR_GOPM_2_201808001T12508_201808001T10508_CO01 CS_OFFL_SIR_GOPM_2_201808001T12508_201808001T10508_CO01 CS_OFFL_SIR_GOPM_2_201808001T12508_201808001T10508_CO01 CS_OFFL_SIR_GOPM_2_201808001T12508_201808001T10508_CO01 CS_OFFL_SIR_GOPM_2_201808001T10508_201808001T0508_CO01 CS_OFFL_SIR_GOPM_2_201808001T10508_201808001T0508_CO01 CS_OFFL_SIR_GOPM_2_201808001T10508_201808001T0508_CO01 CS_OFFL_SIR_GOPM_2_201808001T10508_201808001T0508_CO01 CS_OFFL_SIR_GOPM_2_201808001T10508_201808001T0508_CO01 CS_OFFL_SIR_GOPM_2_201808001T10508_201808001T0508_CO01 CS_OFFL_SIR_GOPM_2_201808001T10508_201808001T0508_CO01 CS_OFFL_SIR_GOPM_2_201808001T10508_201808001T0508_CO01 CS_OFFL_SIR_GOPM_2_	CS_OFFL_SIR_GOPM_2_20180801T064154_20180801T065635_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_201808017108408_201808017083208_CO01  CS_OFFL_SIR_GOPM_2_201808017082200_201808017083208_CO01  CS_OFFL_SIR_GOPM_2_201808017082400_201808017085308_CO01  CS_OFFL_SIR_GOPM_2_20180801708406_201808017085508_CO01  CS_OFFL_SIR_GOPM_2_201808017084506_201808017085508_CO01  CS_OFFL_SIR_GOPM_2_201808017084506_201808017085508_CO01  CS_OFFL_SIR_GOPM_2_201808017084506_201808017085426_CO01  CS_OFFL_SIR_GOPM_2_2018080171004506_201808017085426_CO01  CS_OFFL_SIR_GOPM_2_2018080171004506_201808017085426_CO01  CS_OFFL_SIR_GOPM_2_2018080171004506_201808017103651_CO01  CS_OFFL_SIR_GOPM_2_2018080171004506_201808017103651_CO01  CS_OFFL_SIR_GOPM_2_201808017104646_201808017104847_CO01  CS_OFFL_SIR_GOPM_2_201808017104646_201808017104847_CO01  CS_OFFL_SIR_GOPM_2_201808017104646_201808017104847_CO01  CS_OFFL_SIR_GOPM_2_201808017104646_201808017104847_CO01  CS_OFFL_SIR_GOPM_2_201808017104646_201808017104847_CO01  CS_OFFL_SIR_GOPM_2_201808017104646_201808017102857_CO01  CS_OFFL_SIR_GOPM_2_201808017104646_201808017102857_CO01  CS_OFFL_SIR_GOPM_2_201808017103051_CO01  CS_OFFL_SIR_GOPM_2_201808017130303_201808017122557_CO01  CS_OFFL_SIR_GOPM_2_201808017132051_C001808017132742_CO01  CS_OFFL_SIR_GOPM_2_201808017130303_201808001713056_CO01  CS_OFFL_SIR_GOPM_2_201808017130303_2018080017132742_CO01  CS_OFFL_SIR_GOPM_2_201808017130303_2018080017132742_CO01  CS_OFFL_SIR_GOPM_2_201808017134728_201808017132742_CO01  CS_OFFL_SIR_GOPM_2_201808017134728_201808017132742_CO01  CS_OFFL_SIR_GOPM_2_201808017134728_201808017132742_CO01  CS_OFFL_SIR_GOPM_2_201808017134728_201808017132742_CO01  CS_OFFL_SIR_GOPM_2_201808017134728_201808017132742_CO01  CS_OFFL_SIR_GOPM_2_201808017134728_201808017132742_CO01  CS_OFFL_SIR_GOPM_2_201808017134728_201808017132742_CO01  CS_OFFL_SIR_GOPM_2_201808017134728_201808017132742_CO01  CS_OFFL_SIR_GOPM_2_201808017134728_201808017132742_CO01  CS_OFFL_SIR_GOPM_2_201808017134728_20180801713540_CO01  CS_OFFL_SIR_GOPM_2_201808017134728_201808017135540_CO01  CS_OFFL_SIR_GOPM_2_201808017134282_201808017135540_CO01  CS_OF	CS_OFFL_SIR_GOPM_2_20180801T065830_20180801T070949_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_2018809171828020_2018809170945320_CO01  CS_OFFL_SIR_GOPM_2_201880917094543_201809017094533_CO01  CS_OFFL_SIR_GOPM_2_201880917094543_201809017094500_CO01  CS_OFFL_SIR_GOPM_2_201880917094545_201809017094540_CO01  CS_OFFL_SIR_GOPM_2_201880917094545_201809017094540_CO01  CS_OFFL_SIR_GOPM_2_201880917094546_CO01  CS_OFFL_SIR_GOPM_2_2018809171094956_2018090171094540_CO01  CS_OFFL_SIR_GOPM_2_2018809171094956_2018090171094540_CO01  CS_OFFL_SIR_GOPM_2_201880917109495_2018090171094540_CO01  CS_OFFL_SIR_GOPM_2_201880917109495_201809017109496_20180901712507_CO01  CS_OFFL_SIR_GOPM_2_2018090171109496_20180901712507_CO01  CS_OFFL_SIR_GOPM_2_201809017112908001712507_CO01  CS_OFFL_SIR_GOPM_2_20180901712301_20180901712507_CO01  CS_OFFL_SIR_GOPM_2_20180901712301_20180901712507_CO01  CS_OFFL_SIR_GOPM_2_20180901712301_20180901712507_CO01  CS_OFFL_SIR_GOPM_2_20180901712301_20180901712507_CO01  CS_OFFL_SIR_GOPM_2_20180901712301_20180901712507_CO01  CS_OFFL_SIR_GOPM_2_20180901712301_20180901712507_CO01  CS_OFFL_SIR_GOPM_2_20180901712301_20180901712507_CO01  CS_OFFL_SIR_GOPM_2_20180901712301_20180901713200_CO01  CS_OFFL_SIR_GOPM_2_20180901712301_20180901713200_CO01  CS_OFFL_SIR_GOPM_2_20180901713000_CO01  CS_OFFL_SIR_GOPM_2_20180901713000_CO01  CS_OFFL_SIR_GOPM_2_20180901713000_CO01  CS_OFFL_SIR_GOPM_2_20180901713200_CO01  CS_OFFL_SIR_GOPM_2_20180901713200_CO01  CS_OFFL_SIR_GOPM_2_20180901713200_CO01  CS_OFFL_SIR_GOPM_2_20180901713200_CO01  CS_OFFL_SIR_GOPM_2_201809017134200_CO01  CS_OFFL_SIR_GOPM_2_201809017134200_CO01  CS_OFFL_SIR_GOPM_2_201809017134200_CO01  CS_OFFL_SIR_GOPM_2_201809017142000017135500_CO01  CS_OFFL_SIR_GOPM_2_2018090171450000000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20180801T074134_20180801T080603_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180801T08273_20180801T085536_C001  CS_OFFL_SIR_GOPM_2_20180801T08405_20180801T094500_C001  CS_OFFL_SIR_GOPM_2_20180801T09405_20180801T094500_C001  CS_OFFL_SIR_GOPM_2_20180801T09405_20180801T094500_C001  CS_OFFL_SIR_GOPM_2_20180801T104045_20180801T109512_C001  CS_OFFL_SIR_GOPM_2_20180801T104045_20180801T110305_C001  CS_OFFL_SIR_GOPM_2_20180801T104045_20180801T112307_C001  CS_OFFL_SIR_GOPM_2_20180801T1104045_20180801T112307_C001  CS_OFFL_SIR_GOPM_2_20180801T1104045_20180801T112307_C001  CS_OFFL_SIR_GOPM_2_20180801T1104045_20180801T112307_C001  CS_OFFL_SIR_GOPM_2_20180801T1104045_20180801T112307_C001  CS_OFFL_SIR_GOPM_2_20180801T1104045_20180801T112307_C001  CS_OFFL_SIR_GOPM_2_20180801T1104045_20180801T112305_C001  CS_OFFL_SIR_GOPM_2_20180801T1104045_20180801T112305_C001  CS_OFFL_SIR_GOPM_2_20180801T104045_20180801T112305_C001  CS_OFFL_SIR_GOPM_2_20180801T1104045_20180801T112305_C001  CS_OFFL_SIR_GOPM_2_20180801T104045_20180801T112305_C001  CS_OFFL_SIR_GOPM_2_20180801T104045_20180801T1130505_C001  CS_OFFL_SIR_GOPM_2_20180801T104045_20180801T130505_C001  CS_OFFL_SIR_GOPM_2_20180801T104045_20180801T130505_C001  CS_OFFL_SIR_GOPM_2_20180801T104045_20180801T130505_C001  CS_OFFL_SIR_GOPM_2_20180801T1303_20180801T13205_C001  CS_OFFL_SIR_GOPM_2_20180801T1303_20180801T13205_C001  CS_OFFL_SIR_GOPM_2_20180801T1303_20180801T13205_C001  CS_OFFL_SIR_GOPM_2_20180801T1303_20180801T135045_C001  CS_OFFL_SIR_GOPM_2_20180801T1303_20180801T135045_C001  CS_OFFL_SIR_GOPM_2_20180801T13408_20180801T135045_C001  CS_OFFL_SIR_GOPM_2_20180801T13408_20180801T135045_C001  CS_OFFL_SIR_GOPM_2_20180801T13408_20180801T135045_C001  CS_OFFL_SIR_GOPM_2_20180801T13408_20180801T135045_C001  CS_OFFL_SIR_GOPM_2_20180801T13408_20180801T135045_C001  CS_OFFL_SIR_GOPM_2_20180801T13408_20180801T135045_C001  CS_OFFL_SIR_GOPM_2_20180801T13408_20180801T135045_C001  CS_OFFL_SIR_GOPM_2_20180801T13408_20180801T135045_C001  CS_OFFL_SIR_GOPM_2_20180801T13408_20180801T135050_C001  CS_OFFL_SIR_GOPM_2_20180801T13408_20180801T135050_C001  CS_OFFL_SIR_	CS_OFFL_SIR_GOPM_2_20180801T080858_20180801T081354_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180801T094405_20180801T094500_C001  CS_OFFL_SIR_GOPM_2_20180801T094405_20180801T094500_C001  CS_OFFL_SIR_GOPM_2_20180801T1094500_C00180801T1095126_C001  CS_OFFL_SIR_GOPM_2_20180801T1094500_C00180801T1095126_C001  CS_OFFL_SIR_GOPM_2_20180801T109412_0180801T110951_C001  CS_OFFL_SIR_GOPM_2_20180801T109412_0180801T112307_C001  CS_OFFL_SIR_GOPM_2_20180801T110941_C00180801T112307_C001  CS_OFFL_SIR_GOPM_2_20180801T110941_20180801T112307_C001  CS_OFFL_SIR_GOPM_2_20180801T110941_20180801T112307_C001  CS_OFFL_SIR_GOPM_2_20180801T110941_20180801T112307_C001  CS_OFFL_SIR_GOPM_2_20180801T110941_20180801T112307_C001  CS_OFFL_SIR_GOPM_2_20180801T110941_20180801T112307_C001  CS_OFFL_SIR_GOPM_2_20180801T112017_20180801T11205_C001  CS_OFFL_SIR_GOPM_2_20180801T112017_20180801T11205_C001  CS_OFFL_SIR_GOPM_2_20180801T12017_20180801T11205_C001  CS_OFFL_SIR_GOPM_2_20180801T1303_20180801T131206_C001  CS_OFFL_SIR_GOPM_2_20180801T1303_20180801T131206_C001  CS_OFFL_SIR_GOPM_2_20180801T1303_20180801T131206_C001  CS_OFFL_SIR_GOPM_2_20180801T1303_20180801T131206_C001  CS_OFFL_SIR_GOPM_2_20180801T1303_20180801T13206_C001  CS_OFFL_SIR_GOPM_2_20180801T1303_20180801T13206_C001  CS_OFFL_SIR_GOPM_2_20180801T1303_20180801T13206_C001  CS_OFFL_SIR_GOPM_2_20180801T1303_20180801T13206_C001  CS_OFFL_SIR_GOPM_2_20180801T1303_20180801T13206_C001  CS_OFFL_SIR_GOPM_2_20180801T1303_20180801T13046_C001  CS_OFFL_SIR_GOPM_2_20180801T13428_20180801T13504_C001  CS_OFFL_SIR_GOPM_2_20180801T13428_20180801T13504_C001  CS_OFFL_SIR_GOPM_2_20180801T144201_C001  CS_OFFL_SIR_GOPM_2_20180801T144201_C001  CS_OFFL_SIR_GOPM_2_20180801T14503_20180801T14503_C001  CS_OFFL_SIR_GOPM_2_20180801T14503_20180801T14503_C001  CS_OFFL_SIR_GOPM_2_20180801T14503_20180801T14503_C001  CS_OFFL_SIR_GOPM_2_20180801T14503_20180801T14503_C001  CS_OFFL_SIR_GOPM_2_20180801T14503_20180801T14503_C001  CS_OFFL_SIR_GOPM_2_20180801T14503_20180801T14503_C001  CS_OFFL_SIR_GOPM_2_20180801T14503_20180801T14503_C001  CS_OFFL_SIR_GOPM_2_20180801T14503_20180801T14503_C001  CS_OFFL_SIR_GO	CS_OFFL_SIR_GOPM_2_20180801T082200_20180801T083208_C001	Ocean Range Averaging Status	records.
CS_OFF_SIR_GOPM_2_2018880111094856_201880801T1094526_C001  CS_OFF_SIR_GOPM_2_20188801T100137_201880801T1095426_C001  CS_OFF_SIR_GOPM_2_20188801T100137_201880801T100457_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 reco	CS_OFFL_SIR_GOPM_2_20180801T083743_20180801T085536_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180801T100137_20180801T10035_CO01  CS_OFFL_SIR_GOPM_2_20180801T104646_20180801T104647_CO01  CS_OFFL_SIR_GOPM_2_20180801T1104447_CO01  CS_OFFL_SIR_GOPM_2_20180801T1104447_CO01  CS_OFFL_SIR_GOPM_2_20180801T1104447_CO01  CS_OFFL_SIR_GOPM_2_20180801T1104447_CO01  CS_OFFL_SIR_GOPM_2_20180801T1104447_CO01  CS_OFFL_SIR_GOPM_2_20180801T1104646_20180801T11255_CO01  CS_OFFL_SIR_GOPM_2_20180801T1122617_20180801T11255_CO01  CS_OFFL_SIR_GOPM_2_20180801T1122617_20180801T12265_CO01  CS_OFFL_SIR_GOPM_2_20180801T1123814_20180801T13056_CO01  CS_OFFL_SIR_GOPM_2_20180801T1123814_20180801T131226_CO01  CS_OFFL_SIR_GOPM_2_20180801T112002_20180801T131266_CO01  CS_OFFL_SIR_GOPM_2_20180801T132742_CO01  CS_OFFL_SIR_GOPM_2_20180801T134128_20180801T134128_CO01  CS_OFFL_SIR_GOPM_2_20180801T134128_20180801T134128_CO01  CS_OFFL_SIR_GOPM_2_20180801T134128_CO01  CS_OFFL_SIR_GOPM_2_20180801T134128_C	CS_OFFL_SIR_GOPM_2_20180801T094405_20180801T094500_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180801T1032_0180801T104847_C001  CS_OFFL_SIR_GOPM_2_20180801T110461_20180801T104847_C001  CS_OFFL_SIR_GOPM_2_20180801T110401_20180801T112307_C001  CS_OFFL_SIR_GOPM_2_20180801T11025_20180801T112357_C001  CS_OFFL_SIR_GOPM_2_20180801T1122617_20180801T122635_C001  CS_OFFL_SIR_GOPM_2_20180801T122617_20180801T122635_C001  CS_OFFL_SIR_GOPM_2_20180801T123814_20180801T13205_C001  CS_OFFL_SIR_GOPM_2_20180801T132814_20180801T13056_C001  CS_OFFL_SIR_GOPM_2_20180801T132814_20180801T13205_C001  CS_OFFL_SIR_GOPM_2_20180801T132312_C001  CS_OFFL_SIR_GOPM_2_20180801T13032_20180801T13126_C001  CS_OFFL_SIR_GOPM_2_20180801T13032_20180801T132742_C001  CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T132742_C001  CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T132742_C001  CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T132742_C001  CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T132742_C001  CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T132742_C001  CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T132742_C001  CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T132742_C001  CS_OFFL_SIR_GOPM_2_20180801T134128_20180801T135549_C001  CS_OFFL_SIR_GOPM_2_20180801T134128_20180801T1341250_C001  CS_OFFL_SIR_GOPM_2_20180801T140833_20180801T142550_C001  CS_OFFL_SIR_GOPM_2_20180801T144232_20180801T144250_C001  CS_OFFL_SIR_GOPM_2_20180801T144233_20180801T145136_C001  CS_OFFL_SIR_GOPM_2_20180801T14533_20180801T145533_20180801T145533_20180801T145533_20180801T145533_20180801T145533_20180801T145533_20180801T145533_20180801T145533_20180801T151555_2001  CS_OFFL_SIR_GOPM_2_20180801T145833_20180801T151535_C001  CS_OFFL_SIR_GOPM_2_20180801T145833_20180801T151535_C001  CS_OFFL_SIR_GOPM_2_20180801T1515482_20180801T1515422_C001  CC_OFRL_SIR_GOPM_2_20180801T1515482_20180801T1515432_C001  CC_OFRL_SIR_GOPM_2_20180801T151554_20180801T154423_C001  CC_OFRL_SIR_GOPM_2_20180801T1515482_20180801T154543_C001  CC_OFRL_SIR_GOPM_2_20180801T154548_20180801T154423_C001  CC_OFRL_SIR_GOPM_2_20180801T154548_20180801T154423_C001  CC_OFRL_SIR_GOPM_2_20180801T154548_20180801T154423_C001	CS_OFFL_SIR_GOPM_2_20180801T094856_20180801T095426_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180801T1104847_2001  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 Flag has been se	CS_OFFL_SIR_GOPM_2_20180801T100137_20180801T103651_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180801T14025_20180801T122635_C001  CS_OFFL_SIR_GOPM_2_20180801T122617_20180801T122635_C001  CS_OFFL_SIR_GOPM_2_20180801T122617_20180801T122635_C001  CS_OFFL_SIR_GOPM_2_20180801T122814_20180801T122635_C001  CS_OFFL_SIR_GOPM_2_20180801T132814_20180801T130056_C001  CS_OFFL_SIR_GOPM_2_20180801T13033_20180801T131226_C001  CS_OFFL_SIR_GOPM_2_20180801T13033_20180801T131226_C001  CS_OFFL_SIR_GOPM_2_20180801T132002_20180801T132742_C001  CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T132742_C001  CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T135549_C001  CS_OFFL_SIR_GOPM_2_20180801T134128_20180801T135549_C001  CS_OFFL_SIR_GOPM_2_20180801T144083_20180801T14550_C001  CS_OFFL_SIR_GOPM_2_20180801T14428_20180801T144250_C001  CS_OFFL_SIR_GOPM_2_20180801T14428_20180801T144250_C001  CS_OFFL_SIR_GOPM_2_20180801T14428_20180801T14550_C001  CS_OFFL_SIR_GOPM_2_20180801T144932_20180801T14550_C001  CS_OFFL_SIR_GOPM_2_20180801T144932_20180801T14550_C001  CS_OFFL_SIR_GOPM_2_20180801T144533_C0180801T14550_C001  CS_OFFL_SIR_GOPM_2_20180801T144532_0180801T14550_C001  CS_OFFL_SIR_GOPM_2_20180801T14553_C001  CS_OFFL_SIR_GOPM_2_20180801T14553_C001  CS_OFFL_SIR_GOPM_2_20180801T14553_C001  CS_OFFL_SIR_GOPM_2_20180801T14553_C001  CS_OFFL_SIR_GOPM_2_20180801T14553_C001  CS_OFFL_SIR_GOPM_2_20180801T14553_C001  CS_OFFL_SIR_GOPM_2_20180801T145853_C0180801T15555_C001  CS_OFFL_SIR_GOPM_2_20180801T15554_C0180801T15555_C001  CS_OFFL_SIR_GOPM_2_20180801T155428_C0180801T155423_C001  CS_OFFL_SIR_GOPM_2_20180801T155428_C0180801T155423_C001  CS_OFFL_SIR_GOPM_2_20180801T155428_C0180801T154423_C001  CS_OFFL_SIR_GOPM_2_20180801T155428_C0180801T154423_C001  CS_OFFL_SIR_GOPM_2_20180801T155428_C0180801T154423_C001  CS_OFFL_SIR_GOPM_2_20180801T155428_C0180801T154423_C001  CS_OFFL_SIR_GOPM_2_20180801T155428_C0180801T154423_C001  CS_OFFL_SIR_GOPM_2_20180801T154328_C0180801T154423_C001  CS_OFFL_SIR_GOPM_2_20180801T154328_C0180801T154423_C001  CS_OFFL_SIR_GOPM_2_20180801T154328_C0180801T154423_C001  CS_OFFL_SIR_GOPM_2_20180801T154328_C0180801T154423_C001	CS_OFFL_SIR_GOPM_2_20180801T104646_20180801T104847_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180801T112617_20180801T122635_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status F	CS_OFFL_SIR_GOPM_2_20180801T110641_20180801T112307_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180801T122817_20180801T122635_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T131033_20180801T131226_C001  Ice Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T131033_20180801T131226_C001  CS_OFFL_SIR_GOPM_2_20180801T1322742_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T132742_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T135549_C001  Ocean Range Averaging Status  CS_OFFL_SIR_GOPM_2_20180801T14428_20180801T135549_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T142742_20180801T142550_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T142742_20180801T14250_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T142742_20180801T145136_C001  Ice Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T145233_20180801T145639_C001  Ice Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T145853_20180801T151554_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	CS_OFFL_SIR_GOPM_2_20180801T114025_20180801T121557_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180801T13033_20180801T131226_C001  CS_OFFL_SIR_GOPM_2_20180801T131033_20180801T131226_C001  CS_OFFL_SIR_GOPM_2_20180801T131033_20180801T132742_C001  CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T132742_C001  CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T132742_C001  CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T132745_C001  CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T133646_C001  CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T13549_C001  CS_OFFL_SIR_GOPM_2_20180801T140833_20180801T142550_C001  CS_OFFL_SIR_GOPM_2_20180801T140833_20180801T142550_C001  CS_OFFL_SIR_GOPM_2_20180801T142742_20180801T144201_C001  CS_OFFL_SIR_GOPM_2_20180801T144932_20180801T1445136_C001  CS_OFFL_SIR_GOPM_2_20180801T144932_20180801T145539_C001  CS_OFFL_SIR_GOPM_2_20180801T145533_20180801T145539_C001  CS_OFFL_SIR_GOPM_2_20180801T14553_20180801T145530_C001  CS_OFFL_SIR_GOPM_2_20180801T145530_C001  CS_OFFL_SIR_GOPM_2_20180801T145530_C001  CS_OFFL_SIR_GOPM_2_20180801T145530_C001  CS_OFFL_SIR_GOPM_2_20180801T145530_C001  CS_OFFL_SIR_GOPM_2_20180801T15550_C001  CS_OFFL_SIR_GOPM_2_20180801T1554_20180801T151535_C001  CS_OFFL_SIR_GOPM_2_20180801T151554_20180801T152515_C001  CS_OFFL_SIR_GOPM_2_20180801T151554_20180801T152515_C001  CS_OFFL_SIR_GOPM_2_20180801T151554_20180801T152515_C001  CS_OFFL_SIR_GOPM_2_20180801T151554_20180801T154423_C001  CS_OFFL_SIR_GOPM_2_20180801T154808_20180801T154423_C001  CS_OFFL_SIR_GOPM_2_20180801T154808_20180801T154423_C001  CS_OFFL_SIR_GOPM_2_20180801T154808_20180801T160441_C001  CS_OFFL_SIR_GOPM_2_20180801T154808_20180801T160441_C001  COean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or m	CS_OFFL_SIR_GOPM_2_20180801T122617_20180801T122635_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180801T131033_20180801T131226_C001  Loe Range Averaging Status  The loce Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T133646_C001  Ocean Range Averaging Status  CS_OFFL_SIR_GOPM_2_20180801T134128_20180801T135549_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 Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Ave	CS_OFFL_SIR_GOPM_2_20180801T123814_20180801T130056_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180801T132002_20180801T132742_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T145233_20180801T145639_C001  CS_OFFL_SIR_GOPM_2_20180801T145833_20180801T151533_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	CS_OFFL_SIR_GOPM_2_20180801T131033_20180801T131226_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180801T132745_20180801T133646_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 Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has be	CS_OFFL_SIR_GOPM_2_20180801T132002_20180801T132742 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180801T134128_20180801T135549_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T145233_20180801T145639_C001  Ice Range Averaging Status  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180801T140833_20180801T142550_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 Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180801T142742_20180801T144201_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T145853_20180801T151353_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 Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180801T144932_20180801T145136_C001  Ice Range Averaging Status  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T145833_20180801T151353_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T151554_20180801T152515_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T154328_20180801T154423_C001  Ice Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging 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_20180801T145233_20180801T145639_C001  Ice Range Averaging Status  records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T151554_20180801T151554_C001  CS_OFFL_SIR_GOPM_2_20180801T151554_20180801T152515_C001  CS_OFFL_SIR_GOPM_2_20180801T154328_20180801T154423_C001  Ice Range Averaging Status  CS_OFFL_SIR_GOPM_2_20180801T154328_20180801T154423_C001  Ice Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180801T154328_20180801T154423_C001  CS_OFFL_SIR_GOPM_2_20180801T154808_20180801T160441_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.			
CS_OFFL_SIR_GOPM_2_20180801T151853_20180801T151353_C001  Ocean Range Averaging Status  CS_OFFL_SIR_GOPM_2_20180801T151554_20180801T152515_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.  CS_OFFL_SIR_GOPM_2_20180801T154328_20180801T160441_C001  Ocean Range Averaging Status  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.			records.
CS_OFFL_SIR_GOPM_2_20180801T151554_20180801T152515_C001  CS_OFFL_SIR_GOPM_2_20180801T151554_20180801T152515_C001  CS_OFFL_SIR_GOPM_2_20180801T154328_20180801T154423_C001  CS_OFFL_SIR_GOPM_2_20180801T154808_20180801T160441_C001  CS_OFFL_SIR_GOPM_2_20180801T154808_20180801T160441_C001  CS_OFFL_SIR_GOPM_2_20180801T154808_20180801T160441_C001  CS_OFFL_SIR_GOPM_2_20180801T154808_20180801T161846_C001  CS_OFFL_SIR_GOPM_2_20180801T161015_20180801T161846_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.			records.
CS_OFFL_SIR_GOPM_2_20180801T151334_20180801T154423_C001  Ice Range Averaging Status  CS_OFFL_SIR_GOPM_2_20180801T154328_20180801T160441_C001  CS_OFFL_SIR_GOPM_2_20180801T154808_20180801T160441_C001  CS_OFFL_SIR_GOPM_2_20180801T161015_20180801T161846_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.			records.
CS_OFFL_SIR_GOPM_2_20180801T154808_20180801T160441_C001  CS_OFFL_SIR_GOPM_2_20180801T161015_20180801T161846_C001  CS_OFFL_SIR_GOPM_2_20180801T161015_20180801T161846_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.			records.
CS_OFFL_SIR_GOPM_2_20180801T161045_20180801T161846_C001  Ocean Range Averaging Status  records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.		Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPIM_2_201606011161015_201606011161640_C001  Ocean Range Averaging Status  records.  The Ocean Range Averaging Status Flag has been set for one or more		Ocean Range Averaging Status	records.
CS OFFI SIP COPM 2 201909017161016 201909017162240 C001	CS_OFFL_SIR_GOPM_2_20180801T161015_20180801T161846_C001	Ocean Range Averaging Status	records.
e e e e e e e e e e e e e e e e e e e	CS_OFFL_SIR_GOPM_2_20180801T161916_20180801T162249_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180801T162730_20180801T163541_C001	CS_OFFL_SIR_GOPM_2_20180801T162730_20180801T163541_C001	Ice Range Averaging Status	

CS_OFFL_SIR_GOPM_2_20180801T163840_20180801T165342_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180801T173639_20180801T174022_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180801T174025_20180801T180244_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180801T180617_20180801T180820_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180801T180858_20180801T181417_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180801T181855_20180801T184049_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180801T021839_20180801T022010_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180801T022054_20180801T022234_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180801T053847_20180801T054239_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180801T063441_20180801T063448_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180801T063831_20180801T064013_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180801T145639_20180801T145815_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180801T035736_20180801T035822_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180801T054239_20180801T054749_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180801T104414_20180801T104537_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180801T121558_20180801T122312_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180801T130057_20180801T130755_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180801T171612_20180801T172134_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

## 5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180801T000734_20180801T001742_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_20180801T001756_20180801T002646_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_20180801T002742_20180801T003147_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_20180801T003715_20180801T003942_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_20180801T005405_20180801T012125_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_20180801T012129_20180801T012923_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_20180801T013150_20180801T013716_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180801T014820_20180801T020048_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_20180801T020127_20180801T021838_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_20180801T022234_20180801T022412_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180801T024008_20180801T025141_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_20180801T025345_20180801T030828_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_20180801T031652_20180801T031813_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180801T032516_20180801T033734_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_20180801T034215_20180801T035609_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_20180801T043308_20180801T044713_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_20180801T045040_20180801T045527_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180801T045606_20180801T045717_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180801T050317_20180801T052847_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_20180801T060246_20180801T062602_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_20180801T063106_20180801T063440_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180801T063504_20180801T063830_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180801T064154_20180801T065635_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_20180801T065830_20180801T070949_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_20180801T074134_20180801T080603_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_20180801T080858_20180801T081354_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180801T082200_20180801T083208_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_20180801T083743_20180801T085536_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_20180801T094405_20180801T094500_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_20180801T094856_20180801T095426_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180801T100137_20180801T103651_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_20180801T104646_20180801T104847_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180801T110641_20180801T112307_C001	Backscatter Averaging Status 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_20180801T114025_20180801T121557_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_20180801T122617_20180801T122635_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_20180801T123814_20180801T130056_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_20180801T131033_20180801T131226_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180801T132002_20180801T132742_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_20180801T132745_20180801T133646_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_20180801T134128_20180801T135549_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_20180801T140833_20180801T142550_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS OFFL SIR GOPM 2 20180801T142742 20180801T144201 C001	Backscatter Averaging Status SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS OFFL SIR GOPM 2 20180801T145233 20180801T145639 C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180801T145853_20180801T151353_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180801T151554_20180801T152515_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180801T154328_20180801T154423_C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180801T154808_20180801T160441_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180801T161015_20180801T161846_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180801T161916_20180801T162249_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180801T162730_20180801T163541_C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20180801T163840 20180801T165342 C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180801T173639_20180801T174022_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180801T174025_20180801T180244_C001	Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180801T180617_20180801T180820_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180801T180858_20180801T181417_C001	Ice Backscatter Averaging Status SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180801T181855_20180801T184049_C001	Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPN_2_20180801T021839_20180801T022010_C001	Ice Backscatter Averaging Status	records.  The loe Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPN_2_20180801T022054_20180801T022234_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_GOPN_2_20180801T053847_20180801T054239_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPN_2_20180801T063441_20180801T063448_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_GOPN_2_20180801T063831_20180801T064013_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_GOPN_2_20180801T145639_20180801T145815_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_20180801T035736_20180801T035822_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_20180801T054239_20180801T054749_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_20180801T104414_20180801T104537_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_20180801T121558_20180801T122312_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_20180801T130057_20180801T130755_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_20180801T171612_20180801T172134_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:

53

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

## 6.1 P2P Product Format Check

#### 6.2 P2P Product Header Analysis

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

Number of products with errors:

# 6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

## 6.4 P2P Auxiliary Correction Error Check

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

Number of products with errors:

0

#### 6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

0

#### 6.6 P2P Range Measurement Check

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20180731T235809_20180801T004743_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.
CS_OFFL_SIR_GOP_220180801T004743_20180801T013722_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_220180801T013722_20180801T022657_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_220180801T022657_20180801T031636_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_220180801T031636_20180801T040610_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_220180801T040610_20180801T045549_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_220180801T045549_20180801T054524_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_220180801T054524_20180801T063503_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_20180801T063503_20180801T072438_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_220180801T072438_20180801T081417_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_220180801T081417_20180801T090351_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T090351_20180801T095330_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_20180801T095330_20180801T104305_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T104305_20180801T113244_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180801T113244_20180801T122218_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T122218_20180801T131157_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_20180801T131157_20180801T140132_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T140132_20180801T145111_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180801T145111_20180801T154045_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_220180801T154045_20180801T163025_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_220180801T163025_20180801T171959_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_220180801T171959_20180801T180938_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_20180801T180938_20180801T185913_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

## 6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180731T235809_20180801T004743_C002	Backscatter Averaging Status, Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

CS_OFFL_SIR_GOP_2_20180801T004743_20180801T013722_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_220180801T013722_20180801T022657_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_220180801T022657_20180801T031636_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_20180801T031636_20180801T040610_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_20180801T040610_20180801T045549_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_20180801T045549_20180801T054524_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_20180801T054524_20180801T063503_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_20180801T063503_20180801T072438_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_20180801T072438_20180801T081417_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_20180801T081417_20180801T090351_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_20180801T090351_20180801T095330_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_20180801T095330_20180801T104305_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_20180801T104305_20180801T113244_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_20180801T113244_20180801T122218_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_20180801T122218_20180801T131157_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_20180801T131157_20180801T140132_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_20180801T140132_20180801T145111_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_20180801T145111_20180801T154045_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_20180801T154045_20180801T163025_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_20180801T163025_20180801T171959_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_20180801T171959_20180801T180938_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_220180801T180938_20180801T185913_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

# 6.8 P2P Ocean Retracking Quality Check

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180731T235809_20180801T004743_C002	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T004743_20180801T013722_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T013722_20180801T022657_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T022657_20180801T031636_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T031636_20180801T040610_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T045549_20180801T054524_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T054524_20180801T063503_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T063503_20180801T072438_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T072438_20180801T081417_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T081417_20180801T090351_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T090351_20180801T095330_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T095330_20180801T104305_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T104305_20180801T113244_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T113244_20180801T122218_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180801T131157_20180801T140132_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.

CS_OFFL_SIR_GOP_220180801T140132_20180801T145111_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T145111_20180801T154045_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180801T154045_20180801T163025_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T163025_20180801T171959_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180801T171959_20180801T180938_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180801T180938_20180801T185913_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.