



1. Overview

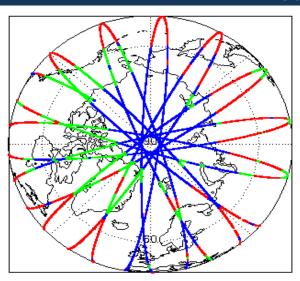
Report Production:	05-Feb-2019
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

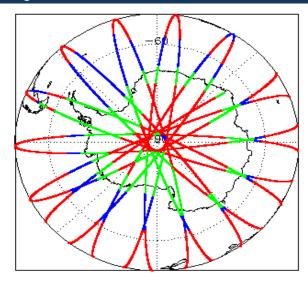
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	See Section 5.2	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal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

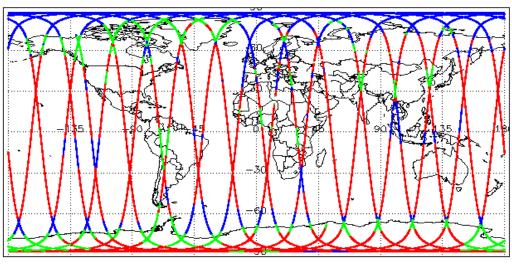
Mission / Instrument News		
03-Jan-2019	None	
04-Jan-2019	None	

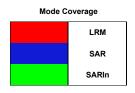
04-Jan-2019 None 05-Jan-2019 Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. 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:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20190104T011733_20190104T012731_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20190104T070758_20190104T071721_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20190104T124039_20190104T125635_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20190104T140414_20190104T140540_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20190104T175253_20190104T175429_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20190104T192243_20190104T193213_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190104T050425_20190104T050946_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190104T055523_20190104T055944_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190104T073703_20190104T073928_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190104T091339_20190104T091602_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190104T104717_20190104T104735_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190104T135409_20190104T135612_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190104T140601_20190104T140656_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190104T172514_20190104T172630_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190104T190028_20190104T190543_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190104T195825_20190104T200437_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190104T204030_20190104T204429_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190104T005833_20190104T010305_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190104T024748_20190104T025107_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190104T045307_20190104T045917_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190104T063300_20190104T063901_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:

5.2 L2 Product Header Analysis

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

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_GOPR_2_20190104T004851_20190104T004858_C001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

5.5 L2 Measurement Confidence Data Check

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

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20190104T011733_20190104T012730_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Range Measurement Check

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

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

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

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

Number of products with errors:

75

Description COMM_2 Description Communication	Product	Test Failed	Description
CS CPFL SRI COPPL 2 291910F100282 291910F100282 COT Committee Comm			The Ice Range Averaging Status Flag has been set for one or more
December Comput 201919110102000 20191010100000 2019 December Comput Comp			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_2010014T03031_2010014T03045_COT CS_OFFL_SIR_GOPM_2_2010014T03042_2010014T03045_COT CS_OFFL_SIR_GOPM_2_2010014T03042_2010014T03045_COT CS_OFFL_SIR_GOPM_2_2010014T03042_2010014T03045_COT CS_OFFL_SIR_GOPM_2_2010014T03042_2010014T03045_COT CS_OFFL_SIR_GOPM_2_2010014T03042_2010014T03045_COT CS_OFFL_SIR_GOPM_2_2010014T03045_COT CS_OFFL_SIR_GOPM_2_20100	CS_OFFL_SIR_GOPM_2_20190104T002939_20190104T004646_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
50, OPTL_SR_COM_2_2000014T01568_2018016T01669_COM_ 50, OPTL_SR_COM_2_2000014T01569_2018016T01669_COM_ 50, OPTL_SR_COM_2_2000014T015692_2018016T016695_COM_ 50, OPTL_SR_COM_2_2000014T015692_2018016T016695_COM_ 50, OPTL_SR_COM_2_2000014T015692_2018016T016695_COM_ 50, OPTL_SR_COM_2_2000014T015992_2018016T016695_COM_ 50, OPTL_SR_COM_2_2000014T016992_2018016T016695_COM_ 50, OPTL_SR_COM_2_2000014T016992_2018016T016695_COM_ 50, OPTL_SR_COM_2_2000014T016992_2018016T016695_COM_ 50, OPTL_SR_COM_2_2000014T016992_2018016T016695_COM_ 50, OPTL_SR_COM_2_2000014T016992_2018016T016695_COM_ 50, OPTL_SR_COM_2_2000014T016992_2018016T016695_COM_ 50, OPTL_SR_COM_2_2000014T016993_2018016T016695_COM_ 50, OPTL_SR_COM_2_2000014T016993_2018016T016995_COM_ 50, OPTL_SR_COM_2_2000014T016995_2018016T016995_COM_ 50, OPTL_SR_COM_2_2000014T016995_2018016T016995_COM_ 50, OPTL_SR_COM_2_2000014T016995_2018016T016995_COM_ 50, OPTL_SR_COM_2_2000014T016995_2018016T016995_COM_ 50, OPTL_SR_COM_2_2000014T016995_2018016T016995_COM_ 50, OPTL_SR_COM_2_2000014T016995_2018016T016995_COM_ 50, OPTL_SR_C	CS OFFL SIR GOPM 2 20190104T013238 20190104T013659 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFF_SR_GOM_2_20190104703303_20190104703203_0010 Coen Range Averaging Status Files that been set for or or more code. SOFF_SR_GOM_2_20190104703203_20190104703303_0010 Coen Range Averaging Status Files that been set for or or more code. SOFF_SR_GOM_2_20190104703303_20190104703030_0010 Coen Range Averaging Status Files that been set for or or more code. SOFF_SR_GOM_2_20190104703030_20190104703030_0010 Coen Range Averaging Status Files that been set for or or more code. SOFF_SR_GOM_2_20190104703030_20190104710300_0010 Coen Range Averaging Status Files that been set for or or more code. SOFF_SR_GOM_2_20190104703030_20190104710300_0010 Coen Range Averaging Status Files that been set for or or more code. SOFF_SR_SR_GOM_2_2019010470300_20190104710300_0010 Coen Range Averaging Status Files that been set for or or more code. SOFF_SR_SR_GOM_2_2019010470300_20190104710300_0010 Coen Range Averaging Status Files that been set for or or more code. SOFF_SR_SR_GOM_2_2019010470300_2019010470300_0010 Coen Range Averaging Status Files that been set for or or more code. SOFF_SR_SR_GOM_2_20190104703000_2019010470300_0010 Coen Range Averaging Status Files that been set for or or more code. SOFF_SR_SR_GOM_2_20190104703000_2019010470300_0010 Coen Range Averaging Status Files that been set for or or more code. SOFF_SR_SR_GOM_2_20190104703703_20190104703703_0010 Coen Range Averaging Status Files that been set for or or more code. SOFF_SR_SR_GOM_2_20190104703703_20190104703703_0010 Coen Range Averaging Status Files that been set for or or more code. SOFF_SR_SR_GOM_2_20190104703703_20190104703703_0010 Coen Range Averaging Status Files that been set for or or more code. SOFF_SR_SR_GOM_2_20190104703703_20190104703703_0010 Coen Range Averaging Status Files that been set for or or more code. SOFF_SR_SR_GOM_2_20190104703703_20190104703703_0010 Coen Range Averaging Status Files that been set for or or more code. SOFF_SR_SR_GOM_2_20190104703703_20190104703703_0010 Coen Range Averaging Status Files that been set for or or more c	CS_OFFL_SIR_GOPM_2_20190104T014048_20190104T014629_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
So, OPTEL, SIR, GOPML 2, 29190164T029802_00190104T031036_00101 So, OPTEL, SIR, GOPML 2, 29190164T029813_00190104T03282_00101 So, OPTEL, SIR, GOPML 2, 29190164T029813_00190104T03282_00101 So, OPTEL, SIR, GOPML 2, 29190164T032813_00190104T03282_00101 So, OPTEL, SIR, GOPML 2, 29190164T032813_00190104T034596_00101 So, OPTEL, SIR, GOPML 2, 29190164T03813_00190104T034596_00101 So, OPTEL, SIR, GOPML 2, 29190164T03813_00190104T034596_00101 So, OPTEL, SIR, GOPML 2, 29190164T03813_00190104T034596_00101 So, OPTEL SIR, GOPML 2, 29190164T03813_00190104T034590_00101 So, OPTEL SIR, GOPML 2, 29190164T03813_00190104T034590_00101 So, OPTEL SIR, GOPML 2, 29190164T03813_00190104T034590_00101 So, OPTEL SIR, GOPML 2, 29190164T03813_00190104T03459_00101 So, OPTEL SIR, GOPML 2, 29190164T03813_00190104T03459_00101 So, OPTEL SIR, GOPML 2, 29190164T03459_00101 So, OPTEL SIR, GOPML 2, 29190164T03459_001010101641_001001 So, OPTEL SIR, GOPML 2, 29190164T03459_0010101703750_0011 So, OPTEL SIR, GOPML 2, 29190164T03459_0010101641_001001 So, OPTEL SIR, GOPML 2, 29190164T03459_0010101703750_00101 So, OPTEL SIR, GOPML 2, 29190164T03459_0010101703750_00101 So, OPTEL SIR, GOPML 2, 29190164T03459_001010170350_00101 So, OPTEL SIR, GOPML 2, 29190164T03459_0010101715350_00101 So, OPTEL SIR, GOPML 2, 2919	CS_OFFL_SIR_GOPM_2_20190104T015303_20190104T022550_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL BIR GOML 2.01990/4T028562_0190104T031525_CD01 Obean Rarge Averaging Status Flag has been set for one or more incords. GB, GPFL BIR GOML 2.01990/4T02853_D010014T032522_CD01 Obean Rarge Averaging Status Flag has been set for one or more incords. GB, GPFL BIR GOML 2.01990/4T02853_D010014T032522_CD01 Obean Rarge Averaging Status Flag has been set for one or more incords. GB, GPFL BIR GOML 2.01990/4T03151_D010014T031500_CD01 Obean Rarge Averaging Status Flag has been set for one or more incords. GB, GPFL BIR GOML 2.01990/4T03151_D010014T031500_CD01 Obean Rarge Averaging Status Flag has been set for one or more incords. GB, GPFL BIR GOML 2.01990/4T03022_D010014T03500_CD01 Obean Rarge Averaging Status Flag has been set for one or more incords. GB, GPFL BIR GOML 2.01990/4T03022_D010014T03500_CD01 Obean Rarge Averaging Status Flag has been set for one or more incords. GB, GPFL BIR GOML 2.01990/4T03022_D010014T03000_CD01 Obean Rarge Averaging Status Flag has been set for one or more incords. GB, GPFL BIR GOML 2.01990/4T03000_D01014T03000_CD01 Obean Rarge Averaging Status Flag has been set for one or more incords. GB, GPFL BIR GOML 2.01990/4T03000_D01014T03000_CD01 Obean Rarge Averaging Status Flag has been set for one or more incords. GB, GPFL BIR GOML 2.01990/4T03000_D01014T03000_CD01 Obean Rarge Averaging Status Flag Obean Rarge Averaging Status Flag has been set for one or more incords. GB, GPFL BIR GOML 2.01990/4T03000_D01014T03000_CD01 Obean Rarge Averaging Status Flag Obean Rarge Averaging Status Flag has been set for one or more incords. GB, GPFL BIR GOML 2.01990/4T03000_D01014T03000_CD01 Obean Rarge Averaging Status Flag Obean Rarge Averaging Status Flag has been set for one or more incords. GB, GPFL BIR GOML 2.01990/4T03000_D01014T03000_CD01 Obean Rarge Averaging Status Flag Obean Rarge Averaging Statu	CS_OFFL_SIR_GOPM_2_20190104T023923_20190104T024021_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
So, GPFL, SRF, GOPML 2, 20190104T093142, 2019014T093822, 2019 Obers Range Averaging Status CS, GPFL, SRF, GOPML 2, 20190104T09411, 2019014T09482, 2019 Obers Range Averaging Status CS, GPFL, SRF, GOPML 2, 20190104T09411, 2019014T09482, 2019 Obers Range Averaging Status The Cocons Range Averaging Status Fig has been set for one or more records. CS, GPFL, SRF, GOPML 2, 20190104T09411, 2019014T09482, 2019 Obers Range Averaging Status The Cocons Range Averaging Status Fig has been set for one or more records. CS, GPFL, SRF, GOPML 2, 20190104T096111, 2019014T09482, 2019 Obers Range Averaging Status CS, GPFL, SRF, GOPML 2, 20190104T096802, 2019014T09485, 2001 Obers Range Averaging Status CS, GPFL, SRF, GOPML 2, 20190104T096802, 2019014T09485, 2001 Obers Range Averaging Status Fig has been set for one or more records. The Cocons Range Averaging Status Fig has been set for one or more records. The Cocons Range Averaging Status Fig has been set for one or more control. The Cocons Range Averaging Status Fig has been set for one or more control. The Cocons Range Averaging Status Fig has been set for one or more control. The Cocons Range Averaging Status Fig has been set for one or more control. The Cocons Range Averaging Status Fig has been set for one or more control. The Cocons Range Averaging Status Fig has been set for one or more control. The Cocons Range Averaging Status Fig has been set for one or more control. The Cocons Range Averaging Status Fig has been set for one or more control. The Cocons Range Averaging Status Fig has been set for one or more control. The Cocons Range Averaging Status Fig has been set for one or more control. The Cocons Range Averaging Status Fig has been set for one or more control. The Cocons Range Averaging Status Fig has been set for one or more control. The Cocons Range Averaging Status Fig has been set for one or more control. The Cocons Range Averaging Status Fig has been set for one or more control. The Cocons Range Averaging Status Fig has been set f	CS_OFFL_SIR_GOPM_2_20190104T025902_20190104T031525_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OPEL_SIR_GOPM_2_20160104T03318_20169104T03507_C001 CS_OPEL_SIR_GOPM_2_20160104T03312_0109104T03507_C001 CS_OPEL_SIR_GOPM_2_20160104T03312_0109104T03507_C001 CS_OPEL_SIR_GOPM_2_20160104T03312_0109104T03507_C001 CS_OPEL_SIR_GOPM_2_20160104T03312_0109104T03508_C001 CS_OPEL_SIR_GOPM_2_20160104T03312_0109104T03508_C001 CS_OPEL_SIR_GOPM_2_20160104T030808_20190104T03435_C001 CS_OPEL_SIR_GOPM_2_20160104T03608_20190104T03435_C001 CS_OPEL_SIR_GOPM_2_20160104T03608_20190104T03435_C001 CS_OPEL_SIR_GOPM_2_20160104T03608_20190104T03750_C001 CS_OPEL_SIR_GOPM_2_20160104T03608_20190104T03750_C001 CS_OPEL_SIR_GOPM_2_20160104T03508_20190104T03750_C001 CS_OPEL_SIR_GOPM_2_20160104T03508_20190104T03750_C001 CS_OPEL_SIR_GOPM_2_20160104T03508_20190104T03506_C001 CS_OPEL_SIR_GOPM_2_20160104T03508_20190104T03506_C001 CS_OPEL_SIR_GOPM_2_20160104T03508_20190104T03506_C001 CS_OPEL_SIR_GOPM_2_20160104T03508_20190104T03506_C001 CS_OPEL_SIR_GOPM_2_20160104T03508_20190104T03506_C001 CS_OPEL_SIR_GOPM_2_20160104T03508_20190104T03506_C001 CS_OPEL_SIR_GOPM_2_20160104T03508_20190104T03506_C001 CS_OPEL_SIR_GOPM_2_20160104T03508_20190104T03508_C001 CS_OPEL_SIR_GOPM_2_20160104T103508_20190104T03508_C001 CS_OPEL_SIR_GOPM_2_20160104T103508_20190104T13508_C001 CS_OPEL_SIR_GOPM_2_20160104T103508_20190104T13508_C001 CS_OPEL_SIR_GOPM_2_20160104T103508_20190104T13508_C001 CS_OPEL_SIR_GOPM_2_20160104T103508_20190104T13508_C001 CS_OPEL_SIR_GOPM_2_20160104T13608_20190104T13508_C001 CS_OPEL_SIR_GOPM_2_20160104T13608_20190104T13508_C001 CS_OPEL_SI	CS_OFFL_SIR_GOPM_2_20190104T032013_20190104T032522_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_201901041104102_201901041104503_0001 CS_OFFL_SIR_GOPM_2_2019010411061032_20190104105403_0001 CS_OFFL_SIR_GOPM_2_201901041106102_20190104105403_0001 CS_OFFL_SIR_GOPM_2_201901041106002_20190104105403_0001 CS_OFFL_SIR_GOPM_2_20190104106002_20190104105403_0001 CS_OFFL_SIR_GOPM_2_20190104106002_201901041005403_0001 CS_OFFL_SIR_GOPM_2_20190104106002_201901041005403_0001 CS_OFFL_SIR_GOPM_2_20190104106002_201901041005403_0001 CS_OFFL_SIR_GOPM_2_20190104106040_201901041005403_0001 CS_OFFL_SIR_GOPM_2_201901041064403_0001 CS_OFFL_SIR_GOPM_2_201901041005403_0001 CS_OFFL_SIR_GOPM_2_20190104100540_00101 CS_OFFL_SIR_GOPM_2_20190104100540_00100540_0001 CS_OFFL_SIR_GOPM_2_20190104100540_00100540_0001 CS_OFFL_SIR_GOPM_2_20190104100540_00100540_0001 CS_OFFL_SIR_GOPM_2_201901041100540_00101 CS_OFFL_SIR_GOPM_2_201901041100540_00100540_0001 CS_OFFL_SIR_GOPM_2_201901041100540_00100540_0001 CS_OFFL_SIR_GOPM_2_201901041100540_00100540_0001 CS_OFFL_SIR_GOPM_2_201901041100540_00101 CS_OFFL_SIR_GOPM_2_201901041100540_00100540_0	CS_OFFL_SIR_GOPM_2_20190104T033146_20190104T040550_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_CFFL_SIR_GOPM_2_20190104T003412_20190104T003403_C001 CS_CFFL_SIR_GOPM_2_20190104T003412_20190104T004035_C001 CS_CFFL_SIR_GOPM_2_20190104T003412_20190104T004035_C001 CS_CFFL_SIR_GOPM_2_20190104T003432_C001 CS_CFFL_SIR_GOPM_2_20190104T003432_C001 CS_CFFL_SIR_GOPM_2_20190104T003332_C0100104T003435_C001 CS_CFFL_SIR_GOPM_2_20190104T003332_C0100104T00330_C001 CS_CFFL_SIR_GOPM_2_20190104T003332_C0100104T00330_C001 CS_CFFL_SIR_GOPM_2_20190104T003332_C0100104T00330_C001 CS_CFFL_SIR_GOPM_2_20190104T00330_C001 CS_CFFL_SIR_GOPM_2_20190104T003332_C0100104T00330_C001 CS_CFFL_SIR_GOPM_2_20190104T00330_C001 CS_CFFL_SIR_GOPM_2_20190104T00330_C001 CS_CFFL_SIR_GOPM_2_20190104T00330_C001 CS_CFFL_SIR_GOPM_2_20190104T00330_C001 CS_CFFL_SIR_GOPM_2_20190104T00330_C001 CS_CFFL_SIR_GOPM_2_20190104T00330_C001 CS_CFFL_SIR_GOPM_2_20190104T00330_C001 CS_CFFL_SIR_GOPM_2_20190104T00330_C001 CS_CFFL_SIR_GOPM_2_20190104T00330_C0010 CS_CFFL_SIR_GOPM_2_20190104T00330_C0010 CS_CFFL_SIR_GOPM_2_20190104T00330_C0010 CS_CFFL_SIR_GOPM_2_20190104T00330_C0010 CS_CFFL_SIR_GOPM_2_20190104T00330_C0010010 CS_CFFL_SIR_GOPM_2_20190104T00330_C001001004T100030_C001 CS_CFFL_SIR_GOPM_2_20190104T00300_C00100104T100030_C001 CS_CFFL_SIR_GOPM_2_20190104T100300_C00100104T100030_C001 CS_CFFL_SIR_GOPM_2_20190104T100300_C00100104T100030_C001 CS_CFFL_SIR_GOPM_2_20190104T100300_C00100104T100030_C001 CS_CFFL_SIR_GOPM_2_20190104T100300_C00100104T100030_C001 CS_CFFL_SIR_GOPM_2_20190104T100300_C00100104T100030_C0010 CS_CFFL_SIR_GOPM_2_20190104T100300_C00100104T100030_C0010 CS_CFFL_SIR_GOPM_2_20190104T100300_C00100104T100030_C0010 CS_CFFL_SIR_GOPM_2_20190104T100300_C00100104T100030_C0010 CS_CFFL_SIR_GOPM_2_20190104T100300_C00100104T100030_C0010 CS_CFFL_SIR_GOPM_2_20190104T100030_C00100104T100030_C0010 CS_CFFL_SIR_GOPM_2_20190104T100030_C00100104T100030_C0010 CS_CFFL_SIR_GOPM_2_20190104T100030_C00100104T100030_C0010 CS_CFFL_SIR_GOPM_2_20190104T100030_C00100104T100030_C0010 CS_CFFL_SIR_GOPM_2_20190104T100030_C00100104T100030_C0010 CS_CFFL	CS_OFFL_SIR_GOPM_2_20190104T041930_20190104T041946_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Ocean Range Averaging Status CS_OFFL_SIR_GOM_2_201001047051131_20100104706300_C001 Ocean Range Averaging Status Ocean Range Averaging Status CS_OFFL_SIR_GOM_2_201001047064161_20100104706300_C001 Ocean Range Averaging Status CS_OFFL_SIR_GOM_2_201001047064161_20100104706300_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. Ocean Range Averaging Status Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. Ocean Range Averaging Status The	CS_OFFL_SIR_GOPM_2_20190104T043517_20190104T045307_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFF_SIR_GOPM_2_201901047080491_20190104708330_0001 CS_OFF_SIR_GOPM_2_201901047080491_20190104708330_0001 CS_OFF_SIR_GOPM_2_201901047080491_201901047080500_0001 CS_OFF_SIR_GOPM_2_201901047080500_20190104707085_001 CS_OFF_SIR_GOPM_2_20190104707085_201901047070721_0010 CS_OFF_SIR_GOPM_2_20190104707085_201901047070720_0010 CS_OFF_SIR_GOPM_2_20190104707085_20190104707370_0010 CS_OFF_SIR_GOPM_2_20190104707385_20190104707370_0010 CS_OFF_SIR_GOPM_2_20190104707385_20190104707370_0010 CS_OFF_SIR_GOPM_2_20190104707385_20190104707370_0010 CS_OFF_SIR_GOPM_2_20190104707385_20190104707370_0010 CS_OFF_SIR_GOPM_2_20190104707385_20190104707380_0010 CS_OFF_SIR_GOPM_2_20190104707385_20190104707380_0010 CS_OFF_SIR_GOPM_2_20190104707385_20190104707390_0010 CS_OFF_SIR_GOPM_2_20190104707385_20190104707390_0010 CS_OFF_SIR_GOPM_2_20190104707385_20190104708230_0010 CS_OFF_SIR_GOPM_2_20190104707395_20190104708230_0010 CS_OFF_SIR_GOPM_2_20190104709195_20190104708230_0010 CS_OFF_SIR_GOPM_2_20190104709195_20190104708230_0010 CS_OFF_SIR_GOPM_2_20190104709295_20190104708590_0010 CS_OFF_SIR_GOPM_2_20190104709295_20190104708590_0010 CS_OFF_SIR_GOPM_2_201901047100805_201901047108500_0010 CS_OFF_SIR_GOPM_2_201901047100805_201901047108500_0010 CS_OFF_SIR_GOPM_2_201901047100805_201901047108500_0010 CS_OFF_SIR_GOPM_2_201901047100805_201901047108500_0010 CS_OFF_SIR_GOPM_2_2019010471100805_201901047108500_0010 CS_OFF_SIR_GOPM_2_2019010471100805_201901047110800_0010 CS_OFF_SIR_GOPM_2_2019010471100805_201901047110800_0010 CS_OFF_SIR_GOPM_2_2019010471100805_201901047110800_0010 CS_OFF_SIR_GOPM_2_2019010471100805_201901047110800_0010 CS_OFF_SIR_GOPM_2_2019010471100805_201901047110800_0010 CS_OFF_SIR_GOPM_2_2019010471100805_201901047110800_0010 CS_OFF_SIR_GOPM_2_2019010471100805_201901047110800_0010 CS_OFF_SIR_GOPM_2_2019010471100805_201901047110800_0010 CS_OFF_SIR_GOPM_2_2019010471100805_201901047110800_0010 CS_OFF_SIR_GOPM_2_2019010471100805_201901047110800_001047110800_001047110800_001047110800_001047110800_001047110	CS_OFFL_SIR_GOPM_2_20190104T051131_20190104T054403_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190104T06492_20190104T06493_C001 CS_OFFL_SIR_GOPM_2_20190104T06492_20190104T074935_C001 CS_OFFL_SIR_GOPM_2_20190104T06492_20190104T074935_C001 CS_OFFL_SIR_GOPM_2_20190104T0707932_20190104T074773703_C001 ES_OFFL_SIR_GOPM_2_20190104T0707932_20190104T074773703_C001 CS_OFFL_SIR_GOPM_2_20190104T074932_20190104T074793703_C001 CS_OFFL_SIR_GOPM_2_20190104T0767312_20190104T0973703_C001 CS_OFFL_SIR_GOPM_2_20190104T0767312_20190104T0973703_C001 CS_OFFL_SIR_GOPM_2_20190104T0767312_20190104T0973703_C001 CS_OFFL_SIR_GOPM_2_20190104T0767312_20190104T094103_C001 CS_OFFL_SIR_GOPM_2_20190104T08193_20190104T08130_C001 CS_OFFL_SIR_GOPM_2_20190104T08195_20190104T08130_C001 CS_OFFL_SIR_GOPM_2_20190104T08195_20190104T08230_C001 ES_OFFL_SIR_GOPM_2_20190104T08195_20190104T08249_C001 CS_OFFL_SIR_GOPM_2_20190104T08095_20190104T08250_C001 ES_OFFL_SIR_GOPM_2_20190104T08095_20190104T08095_C001 ES_OFFL_SIR_GOPM_2_20190104T08095_20190104T08095_C001 ES_OFFL_SIR_GOPM_2_20190104T08095_20190104T08095_C001 ES_OFFL_SIR_GOPM_2_20190104T08095_20190104T108095_C001 ES_OFFL_SIR_GOPM_2_20190104T109009_20190104T108095_C001 ES_OFFL_SIR_GOPM_2_20190104T109009_20190104T109005_C001 ES_OFFL_SIR_GOPM_2_20190104T109009_20190104T109005_C001 ES_OFFL_SIR_GOPM_2_20190104T1109009_20190104T1109005_C001 ES_OFFL_SIR_GOPM_2_20190104T1109009_20190104T1109005_C001 ES_OFFL_SIR_GOPM_2_20190104T1109009_20190104T1109005_C001 ES_OFFL_SIR_GOPM_2_20190104T1109009_20190104T1109005_C001 ES_OFFL_SIR_GOPM_2_20190104T1109009_20190104T1109005_C001 CS_OFFL_SIR_GOPM_2_20190104T1109009_20190104T1109005_C001 CS_OFFL_SIR_GOPM_2_20190104T1109009_20190104T1109005_C001 CS_OFFL_SIR_GOPM_2_20190104T1109009_20190104T1109005_C001 CS_OFFL_SIR_GOPM_2_20190104T1109009_20190104T1109005_C001 CS_OFFL_SIR_GOPM_2_20190104T1109009_20190104T1109005_C001 CS_OFFL_SIR_GOPM_2_20190104T1109009_20190104T1109005_C001 CS_OFFL_SIR_GOPM_2_20190104T1109009_20190104T1109005_C001 CS_OFFL_SIR_GOPM_2_20190104T1109009_20104T11090005_C001 CS_OFFL_SIR_GOPM_2_20190104T11	CS_OFFL_SIR_GOPM_2_20190104T060022_20190104T061855_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
to Range Averaging Status CS_OFFL_SIR_GOPM_2_20190104T09636_20190104T09756_C001 CS_OFFL_SIR_GOPM_2_20190104T09758_20190104T09756_C001 CS_OFFL_SIR_GOPM_2_20190104T09758_20190104T097373_C001 CS_OFFL_SIR_GOPM_2_20190104T09758_20190104T097373_C001 CS_OFFL_SIR_GOPM_2_20190104T09758_20190104T097543_C001 CS_OFFL_SIR_GOPM_2_20190104T09758_20190104T097543_C001 CS_OFFL_SIR_GOPM_2_20190104T09758_20190104T097543_C001 CS_OFFL_SIR_GOPM_2_20190104T09758_20190104T097545_C001 CS_OFFL_SIR_GOPM_2_20190104T09758_20190104T097545_C001 CS_OFFL_SIR_GOPM_2_20190104T09758_20190104T097596_C001 CS_OFFL_SIR_GOPM_2_20190104T097595_C001 CS_OFFL_SIR_GOPM_2_20190104T097595_C001 CS_OFFL_SIR_GOPM_2_20190104T097595_C001 CS_OFFL_SIR_GOPM_2_20190104T097595_C001 CS_OFFL_SIR_GOPM_2_20190104T097595_C001 CS_OFFL_SIR_GOPM_2_20190104T09595_C001 CS_OFFL_SIR_GOPM_2_20190104T09595_C001 CS_OFFL_SIR_GOPM_2_20190104T10005_C001 CS_OFFL_SIR_GOPM_2_20190104T10005_C001 CS_OFFL_SIR_GOPM_2_20190104T10005_C001 CS_OFFL_SIR_GOPM_2_20190104T10005_C001 CS_OFFL_SIR_GOPM_2_20190104T10005_C001 CS_OFFL_SIR_GOPM_2_20190104T10005_C001 CS_OFFL_SIR_GOPM_2_20190104T10005_C001 CS_OFFL_SIR_GOPM_2_20190104T10005_C001 CS_OFFL_SIR_GOPM_2_20190104T10005_C001 CS_OFFL_SIR_GOPM_2_20190104T110005_C001 CS_OFFL_SIR_GOPM_2_20190104T110005_C001011000505_C001 CS_OFFL_SIR_GOPM_2_20190104T110005_C001011000505_C001 CS_OFFL_SIR_GOPM_2_20190104T110005_C001011000505_C001 CS_OFFL_SIR_GOPM_2_20190104T110005_C001011000505_C001 CS_OFFL_SIR_GOPM_2_20190104T110005_C001011000505_C001 CS_OFFL_SIR_GOPM_2_20190104T110005_C001011000505_	CS_OFFL_SIR_GOPM_2_20190104T061941_20190104T063300_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190104170758_201901041707555_C001 Csean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Fl	CS_OFFL_SIR_GOPM_2_20190104T064459_20190104T064835_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190104T07978_20190104T079703_C001 CS_OFFL_SIR_GOPM_2_20190104T079331_20190104T079703_C001 CS_OFFL_SIR_GOPM_2_20190104T079331_20190104T079841_C001 CS_OFFL_SIR_GOPM_2_20190104T08230_20190104T08230_C001 CS_OFFL_SIR_GOPM_2_20190104T08230_20190104T08230_C001 CS_OFFL_SIR_GOPM_2_20190104T08230_20190104T08230_C001 CS_OFFL_SIR_GOPM_2_20190104T08230_20190104T08230_C001 CS_OFFL_SIR_GOPM_2_20190104T08230_20190104T08230_C001 CS_OFFL_SIR_GOPM_2_20190104T08230_20190104T08230_C001 CS_OFFL_SIR_GOPM_2_20190104T08230_20190104T08250_C001 CS_OFFL_SIR_GOPM_2_20190104T08230_20190104T08250_C001 CS_OFFL_SIR_GOPM_2_20190104T08230_20190104T08250_C001 CS_OFFL_SIR_GOPM_2_20190104T08230_20190104T086450_C001 CS_OFFL_SIR_GOPM_2_20190104T08250_C001 CS_OFFL_SIR_GOPM_2_20190104T08250_C001 CS_OFFL_SIR_GOPM_2_20190104T08250_C001 CS_OFFL_SIR_GOPM_2_20190104T08250_C001 CS_OFFL_SIR_GOPM_2_20190104T10030_C001 CS_OFFL_SIR_GOPM_2_20190104T10030_C0100104T10030_C001 CS_OFFL_SIR_GOPM_2_20190104T10030_C0100104T10030_C001 CS_OFFL_SIR_GOPM_2_20190104T10030_C0100104T10030_C001 CS_OFFL_SIR_GOPM_2_20190104T10030_C0100104T10030_C001 CS_OFFL_SIR_GOPM_2_20190104T10030_C0100104T10030_C001 CS_OFFL_SIR_GOPM_2_20190104T10030_C0100104T10030_C001 CS_OFFL_SIR_GOPM_2_20190104T110030_C0100104T10030_C001 CS_OFFL_SIR_GOPM_2_20190104T112255_C0190104T11235_C001 CS_OFFL_SIR_GOPM_2_20190104T11225_C0190104T11235_C001 CS_OFFL_SIR_GOPM_2_20190104T11225_C0190104T11225_C001 CS_OFFL_SIR_GOPM_2_20190104T11236_C0190104T11225_C001 CS_OFFL_SIR_GOPM_2_20190104T112382_20190104T11235_C001 CS_OFFL_SIR_GOPM_2_20190104T112382_20190104T11235_C001 CS_OFFL_SIR_GOPM_2_20190104T112382_20190104T11235_C001 CS_OFFL_SIR_GOPM_2_20190104T112382_20190104T11325_C001 CS_OFFL_SIR_GOPM_2_20190104T112382_20190104T11325_C001 CS_OFFL_SIR_GOPM_2_20190104T112382_20190104T1325_C001 CS_OFFL_SIR_GOPM_2_20190104T112382_20190104T11325_C001 CS_OFFL_SIR_GOPM_2_20190104T113382_20190104T11325_C001 CS_OFFL_SIR_GOPM_2_20190104T113382_20190104T13325_C001 CS_OFFL_SIR_GOP	CS_OFFL_SIR_GOPM_2_20190104T065036_20190104T070556_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
SO OFFL_SIR_GOPM_2_20190104T073831_20190104T075703_C001 SO Range Averaging Status The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag	CS_OFFL_SIR_GOPM_2_20190104T070758_20190104T071721_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190104T081253_20190104T081403_C001 CS_OFFL_SIR_GOPM_2_20190104T081955_20190104T082900_C001 Loe Range Averaging Status The Ocean Range Averaging Status The Ioean Range Averaging Status Flag has been set for one or more records. The Ioean Range Averaging Status Flag has been set for one or more records. The Ioe Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20190104T082303_20190104T082786_C001 CS_OFFL_SIR_GOPM_2_20190104T083015_20190104T082456_C001 CS_OFFL_SIR_GOPM_2_20190104T082596_20190104T095566_C001 CS_OFFL_SIR_GOPM_2_20190104T092596_20190104T095566_C001 CS_OFFL_SIR_GOPM_2_20190104T09303_02199104T1095566_C001 CS_OFFL_SIR_GOPM_2_20190104T09303_02199104T1096560_C001 CS_OFFL_SIR_GOPM_2_20190104T09303_02199104T1096560_C001 CS_OFFL_SIR_GOPM_2_20190104T109346_20190104T109652_C001 CS_OFFL_SIR_GOPM_2_20190104T10934_20190104T1096500_C001 CS_OFFL_SIR_GOPM_2_20190104T10934_20190104T11721_C001 CS_OFFL_SIR_GOPM_2_20190104T10934_20190104T11721_C001 CS_OFFL_SIR_GOPM_2_20190104T10934_20190104T11721_C001 CS_OFFL_SIR_GOPM_2_20190104T110934_20190104T11721_C001 CS_OFFL_SIR_GOPM_2_20190104T114255_20190104T11322_C001 CS_OFFL_SIR_GOPM_2_20190104T114255_20190104T11322_C001 CS_OFFL_SIR_GOPM_2_20190104T114255_20190104T113261_C001 CS_OFFL_SIR_GOPM_2_20190104T14034_20190104T113261_C001 CS_OFFL_SIR_GOPM_2_20190104T14034_20190104T113261_C001 CS_OFFL_SIR_GOPM_2_20190104T14034_20190104T113261_C001 CS_OFFL_SIR_GOPM_2_20190104T14034_20190104T13264_C001 CS_OFFL_SIR_GOPM_2_20190104T14034_20190104T13264_C001 CS_OFFL_SIR_GOPM_2_20190104T14034_20190104T13264_C001 CS_OFFL_SIR_GOPM_2_20190104T16964_C00190104T13264_C001 CS_OFFL_SIR_GOPM_2_20190104T16964_C00190104T13264_C001 CS_OFFL_SIR_GOPM_2_20190104T16964_C00190104T13264_C001 CS_OFFL_SIR_GOPM_2_20190104T16964_C00190104T13264_C001 CS_OFFL_SIR_GOPM_2_20190104T16964_C00190104T13264_C001 CS_OFFL_SIR_GOPM_2_20190104T16964_C00190104T132644_C001 CS_OFFL_SIR_GOPM_2_20190104T16964_C00190104T16964_C001 CS_OFFL_SIR_	CS_OFFL_SIR_GOPM_2_20190104T073531_20190104T073703_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190104T081263_20190104T082300_C001 CS_OFFL_SIR_GOPM_2_20190104T082303_20190104T082300_C001 CS_OFFL_SIR_GOPM_2_20190104T082303_20190104T082306_C001 CS_OFFL_SIR_GOPM_2_20190104T082303_20190104T082306_C001 CS_OFFL_SIR_GOPM_2_20190104T082305_20190104T085506_C001 CS_OFFL_SIR_GOPM_2_20190104T082305_20190104T085506_C001 CS_OFFL_SIR_GOPM_2_20190104T082305_20190104T085506_C001 CS_OFFL_SIR_GOPM_2_20190104T082305_20190104T0850506_C001 CS_OFFL_SIR_GOPM_2_20190104T08050506_C001 CS_OFFL_SIR_GOPM_2_20190104T08050506_C001 CS_OFFL_SIR_GOPM_2_20190104T00030_20190104T100055_C001 CS_OFFL_SIR_GOPM_2_20190104T00030_20190104T1000505_C001 CS_OFFL_SIR_GOPM_2_20190104T00030_20190104T100055_C001 CS_OFFL_SIR_GOPM_2_20190104T100046_20190104T100505_C001 CS_OFFL_SIR_GOPM_2_20190104T100046_20190104T100505_C001 CS_OFFL_SIR_GOPM_2_20190104T100046_20190104T1105050_C001 CS_OFFL_SIR_GOPM_2_20190104T100046_20190104T1105050_C001 CS_OFFL_SIR_GOPM_2_20190104T100046_20190104T111721_C001 COCCURR_Range Averaging Status CS_OFFL_SIR_GOPM_2_20190104T110202_20190104T111321_C001 COCCURR_Range Averaging Status CS_OFFL_SIR_GOPM_2_20190104T1100040_20190104T111721_C001 COCCURR_Range Averaging Status CS_OFFL_SIR_GOPM_2_20190104T1100040_20190104T111721_C001 COCCURR_Range Averaging Status CS_OFFL_SIR_GOPM_2_20190104T1100040_20190104T111721_C001 COCCURR_Range Averaging Status CC_OFFL_SIR_GOPM_2_20190104T11260_20190104T111721_C001 COCCURR_Range Averaging Status CC_OFFL_SIR_GOPM_2_20190104T11260_20190104T11260_C001 COCCURR_Range Averaging Status CC_OFFL_SIR_GOPM_2_20190104T11260_C001 COCCURR_Range Averaging Status CC_OFFL_SIR_GOPM_2_20190104T11260_C001 COCCURR_RANGE Averaging Status CC_OFFL_SIR_GOPM_2_20190104T11260_C001 COCCURR_RANGE Averaging Status CC_OFFL_SIR_GOPM_2_20190104T11260_C001 COCCURR_RANGE Averaging Status CC_COCR_SIR_GOPM_2_20190104T11260_C001 COCCURR_RANGE Averaging Status CC_COCR_SIR_GOPM_2_20190104T11260_C001 COCCURR_RANGE Averaging Status CC_COCR_SIR_GOPM_2_20190104T11260_C001 COCCURR_R	CS_OFFL_SIR_GOPM_2_20190104T074312_20190104T075641_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190104T081955_20190104T082300_C001 IDENTIFY OF THE LOR Range Averaging Status CS_OFFL_SIR_GOPM_2_20190104T082303_20190104T082736_C001 CS_OFFL_SIR_GOPM_2_20190104T082303_20190104T082506_C001 CS_OFFL_SIR_GOPM_2_20190104T08259_20190104T08506_C001 CS_OFFL_SIR_GOPM_2_20190104T08259_20190104T080506_C001 CS_OFFL_SIR_GOPM_2_20190104T08259_20190104T080506_C001 CS_OFFL_SIR_GOPM_2_20190104T1093810_20190104T10025_C001 CS_OFFL_SIR_GOPM_2_20190104T10030_20190104T100302_C001 CS_OFFL_SIR_GOPM_2_20190104T100302_0190104T100302_C001 CS_OFFL_SIR_GOPM_2_20190104T100302_0190104T100302_C001 CS_OFFL_SIR_GOPM_2_20190104T10030_20190104T100302_C001 CS_OFFL_SIR_GOPM_2_20190104T100302_0190104T100302_C001 CS_OFFL_SIR_GOPM_2_20190104T100302_0190104T110301_C001 CS_OFFL_SIR_GOPM_2_20190104T110032_0190104T111721_C001 CS_OFFL_SIR_GOPM_2_20190104T110032_0190104T111721_C001 CS_OFFL_SIR_GOPM_2_20190104T110032_0190104T111721_C001 CS_OFFL_SIR_GOPM_2_20190104T110032_0190104T111721_C001 CS_OFFL_SIR_GOPM_2_20190104T110032_0190104T111001_C00100101010101010101010101010101	CS_OFFL_SIR_GOPM_2_20190104T081253_20190104T081403_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190104T082303_20190104T082736_C001 CS_OFFL_SIR_GOPM_2_20190104T082015_20190104T08506_C001 CS_OFFL_SIR_GOPM_2_20190104T08259_20190104T08506_C001 CS_OFFL_SIR_GOPM_2_20190104T082810_20190104T10025_C001 CS_OFFL_SIR_GOPM_2_20190104T0030_20190104T100350_C001 CS_OFFL_SIR_GOPM_2_20190104T10030_20190104T100302_C001 CS_OFFL_SIR_GOPM_2_20190104T10030_20190104T100302_C001 CS_OFFL_SIR_GOPM_2_20190104T10030_20190104T100302_C001 CS_OFFL_SIR_GOPM_2_20190104T10030_20190104T100302_C001 CS_OFFL_SIR_GOPM_2_20190104T10030_20190104T100301_C001 CS_OFFL_SIR_GOPM_2_20190104T10030_20190104T1107001 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T111721_C001 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T111721_C001 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T111721_C001 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T111721_C001 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T111721_C001 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T1110701 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T1110701 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T1110701 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T1110701 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T1110701 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T110701 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T110701 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T110701 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T110701 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T110701 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T110701 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T110701 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T1107001 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T1107001 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T1107001 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T1107001 CS_OFFL_SIR_GOPM_2_20190104T1107001 CS_OFFL_SIR_GOPM_2_20190104T1107001 CS_OFFL_SIR_GOPM_2_20190104T1107001 CS_OFFL_SIR_GOPM_2_20190104T1107001 CS_OFFL_SIR_GOPM_2_20190104T1107001 CS_OFFL_SIR_GOPM_2_20190104T1107001 CS_OFFL_SIR_GOPM_2_20190104T1070001 CS_OFFL_SIR_GOPM_2_20190104T1070001 CS_OFFL_SIR_G	CS_OFFL_SIR_GOPM_2_20190104T081955_20190104T082300_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190104T109312_20190104T1009556_C001 CS_OFFL_SIR_GOPM_2_20190104T100032_20190104T100032_C001 Le Range Averaging Status Le Cange Averaging Status Le Range Averaging Status Le Range Averaging Status Le Cange Averaging Status Le Range Averaging Status Le Range Averaging Status Le Cange Averaging Status Le Range Avera	CS_OFFL_SIR_GOPM_2_20190104T082303_20190104T082736_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190104T1093610_20190104T10035_C001 Loc Range Averaging Status L	CS_OFFL_SIR_GOPM_2_20190104T083015_20190104T084459_C001	Ocean Range Averaging Status	
Los Abrigas Averaging Status CS_OFFL_SIR_GOPM_2_20190104T100030_20190104T1003501_C001 CS_OFFL_SIR_GOPM_2_20190104T100046_20190104T103501_C001 CS_OFFL_SIR_GOPM_2_20190104T110703_20190104T111721_C001 CS_OFFL_SIR_GOPM_2_20190104T112255_20190104T113321_C001 CS_OFFL_SIR_GOPM_2_20190104T114020_20190104T113321_C001 CS_OFFL_SIR_GOPM_2_20190104T11402_20190104T1143321_C001 CS_OFFL_SIR_GOPM_2_20190104T11402_20190104T114436_C001 CS_OFFL_SIR_GOPM_2_20190104T114334_20190104T14436_C001 CS_OFFL_SIR_GOPM_2_20190104T114334_20190104T1420618_C001 CS_OFFL_SIR_GOPM_2_20190104T142039_20190104T122618_C001 CS_OFFL_SIR_GOPM_2_20190104T122436_20190104T125634_C001 CS_OFFL_SIR_GOPM_2_20190104T142039_20190104T132504_C001 CS_OFFL_SIR_GOPM_2_20190104T143834_20190104T132054_C001 CS_OFFL_SIR_GOPM_2_20190104T143835_20190104T14506_C001 CS_OFFL_SIR_GOPM_2_20190104T141483_20190104T14506_C001 CS_OFFL_SIR_GOPM_2_20190104T141483_20190104T14506_C001 CS_OFFL_SIR_GOPM_2_20190104T145835_20190104T14504_C001 CS_OFFL_SIR_GOPM_2_20190104T145835_20190104T14506_C001 CS_OFFL_SIR_GOPM_2_20190104T145835_20190104T14506_C001 CS_OFFL_SIR_GOPM_2_20190104T145835_20190104T15047_C001 CS_OFFL_SIR_GOPM_2_20190104T145835_20190104T15047_C001 CS_OFFL_SIR_GOPM_2_20190104T145835_20190104T15047_C001 CS_OFFL_SIR_GOPM_2_20190104T145835_20190104T15047_C001 CS_OFFL_SIR_GOPM_2_20190104T145835_20190104T15047_C001 CS_OFFL_SIR_GOPM_2_20190104T163642_20190104T163054_C001 CS_OFFL_SIR_GOPM_2_20190104T163623_20190104T163054_C001 CS_OFFL_SIR_GOPM_2_20190104T163634_20190104T163054_C001 CS_OFFL_SIR_GOPM_2_20190104T163642_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163642_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163642_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163642_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163642_20190104T162500_C001 CS_OFFL_SIR_GOPM_2_20190104T163642_20190104T162500_C001 CS_OFFL_SIR_GOPM_2_20190104T163642_20190104T162500_C001 CS_OFFL_SIR_GOPM_2_20190104T163642_20190104T162500_C001 CS_OFFL_SIR_GOPM_2_20190104T1636	CS_OFFL_SIR_GOPM_2_20190104T092259_20190104T095506_C001	Ocean Range Averaging Status	
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CS_OFFL_SIR_GOPM_2_20190104T114834_20190104T12741_C001	CS_OFFL_SIR_GOPM_2_20190104T112255_20190104T113321_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190104T124384_20190104T122618_C001 CS_OFFL_SIR_GOPM_2_20190104T124039_20190104T125634_C001 CS_OFFL_SIR_GOPM_2_20190104T125943_20190104T125634_C001 CS_OFFL_SIR_GOPM_2_20190104T125943_20190104T131221_C001 CS_OFFL_SIR_GOPM_2_20190104T125943_20190104T131221_C001 CS_OFFL_SIR_GOPM_2_20190104T132812_20190104T133254_C001 CS_OFFL_SIR_GOPM_2_20190104T143843_20190104T1433254_C001 CS_OFFL_SIR_GOPM_2_20190104T14843_20190104T145206_C001 CS_OFFL_SIR_GOPM_2_20190104T145835_20190104T150347_C001 CS_OFFL_SIR_GOPM_2_20190104T145835_20190104T150347_C001 CS_OFFL_SIR_GOPM_2_20190104T145835_20190104T150347_C001 CS_OFFL_SIR_GOPM_2_20190104T150824_20190104T150347_C001 CS_OFFL_SIR_GOPM_2_20190104T150824_20190104T150354_C001 CS_OFFL_SIR_GOPM_2_20190104T150824_20190104T163054_C001 CS_OFFL_SIR_GOPM_2_20190104T163623_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T1636341_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163641_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163641_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T163254_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T172514	CS_OFFL_SIR_GOPM_2_20190104T114020_20190104T114436_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190104T122436_20190104T122618_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20190104T132812_20190104T133254_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20190104T145835_20190104T150347_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20190104T150824_20190104T163054_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20190104T163623_20190104T163834_C001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The 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 Rang	CS_OFFL_SIR_GOPM_2_20190104T114834_20190104T121741_C001	Ocean Range Averaging Status	
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CS_OFFL_SIR_GOPM_2_20190104T132812_20190104T133254_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. CS_OFFL_SIR_GOPM_2_20190104T150824_20190104T152523_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20190104T155702_20190104T163054_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The 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 Ice Range Averaging	CS_OFFL_SIR_GOPM_2_20190104T124039_20190104T125634_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190104T141843_20190104T145206_C001 CS_OFFL_SIR_GOPM_2_20190104T145835_20190104T150347_C001 CS_OFFL_SIR_GOPM_2_20190104T145835_20190104T150347_C001 CS_OFFL_SIR_GOPM_2_20190104T150824_20190104T152523_C001 CS_OFFL_SIR_GOPM_2_20190104T150824_20190104T152523_C001 CS_OFFL_SIR_GOPM_2_20190104T155702_20190104T163054_C001 CS_OFFL_SIR_GOPM_2_20190104T163623_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163623_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T164254_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T164254_C001 CS_OFFL_SIR_GOPM_2_20190104T163734_20190104T164734_20190104T172109_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T172344_20190104T172514_C001	CS_OFFL_SIR_GOPM_2_20190104T125943_20190104T131221_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190104T141843_20190104T150347_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_20190104T150824_20190104T152523_C001 CS_OFFL_SIR_GOPM_2_20190104T155702_20190104T163054_C001 CS_OFFL_SIR_GOPM_2_20190104T163623_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163623_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163641_20190104T164254_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T164254_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172109_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T172344_20190104T172514_C001	CS_OFFL_SIR_GOPM_2_20190104T132812_20190104T133254_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190104T150824_20190104T152523_C001 CS_OFFL_SIR_GOPM_2_20190104T155702_20190104T152523_C001 CS_OFFL_SIR_GOPM_2_20190104T155702_20190104T163054_C001 CS_OFFL_SIR_GOPM_2_20190104T163623_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163623_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163641_20190104T164254_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T164254_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172109_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172109_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T172344_20190104T172514_C001	CS_OFFL_SIR_GOPM_2_20190104T141843_20190104T145206_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190104T150824_20190104T163054_C001 CS_OFFL_SIR_GOPM_2_20190104T163623_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163623_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163623_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T164254_C001 CS_OFFL_SIR_GOPM_2_20190104T163734_20190104T164254_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172109_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T172344_20190104T172514_C001	CS_OFFL_SIR_GOPM_2_20190104T145835_20190104T150347_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190104T163623_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163623_20190104T163834_C001 CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T164254_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172109_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172109_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T172344_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_20190104T172514_C001 CS_OFFL_SIR_GOPM_2_2019010	CS_OFFL_SIR_GOPM_2_20190104T150824_20190104T152523_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190104T163633_20190104T163634_C001 Ice Range Averaging Status records. The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172109_C001 CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172109_C001 CS_OFFL_SIR_GOPM_2_20190104T172344_20190104T172514_C001 Ice Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOPM_2_20190104T155702_20190104T163054_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T164234_C001	CS_OFFL_SIR_GOPM_2_20190104T163623_20190104T163834_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_201901041104734_201901041172109_C001 Ocean Range Averaging Status records. The Ice Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T164254_C001	Ice Range Averaging Status	
US OFFI SIK GOPM 2 201901041172344 201901041172514 COOL IICE Range Averaging Status	CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172109_C001	Ocean Range Averaging Status	
	CS_OFFL_SIR_GOPM_2_20190104T172344_20190104T172514_C001	Ice Range Averaging Status	

CS_OFFL_SIR_GOPM_2_20190104T173733_20190104T174813_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T175253_20190104T175429_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T175458_20190104T181011_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T181214_20190104T181733_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T181752_20190104T181959_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T182846_20190104T184108_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T184305_20190104T190028_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T192243_20190104T193213_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T193415_20190104T194906_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T195139_20190104T195633_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T200437_20190104T200722_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T202416_20190104T203534_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T211226_20190104T212824_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T213122_20190104T213600_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T213622_20190104T213749_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T214233_20190104T221654_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T224201_20190104T230739_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T231015_20190104T231501_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T231520_20190104T231845_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T232213_20190104T233314_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T233849_20190104T234844_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T235034_20190104T235335_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190103T235914_20190104T000048_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190104T000557_20190104T000603_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190104T000931_20190104T001100_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190104T045917_20190104T050213_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190104T091621_20190104T091804_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190104T150347_20190104T150512_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190104T070556_20190104T070758_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190104T154708_20190104T155702_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190104T210736_20190104T211226_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_20190104T000049_20190104T000556_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T001346_20190104T002401_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_20190104T002939_20190104T004646_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_20190104T013238_20190104T013659_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_20190104T014048_20190104T014629_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T015303_20190104T022550_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_20190104T023923_20190104T024021_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_20190104T025902_20190104T031525_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_20190104T032013_20190104T032522_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T033146_20190104T040550_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_20190104T041930_20190104T041946_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_20190104T043000_20190104T043437_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

	0)4/11 4	The CANIL and Common Assessment Obstacles Flores have been added to
CS_OFFL_SIR_GOPM_2_20190104T043517_20190104T045307_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_20190104T051131_20190104T054403_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS OFFI SID CODM 2 201001017050022 201001017051055 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190104T060022_20190104T061855_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.
CS_OFFL_SIR_GOPM_2_20190104T061941_20190104T063300_C001	Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T064136_20190104T064333_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T065036_20190104T070556_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190104T070758_20190104T071721_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20190104T073531_20190104T073703_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T073928_20190104T074221_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_20190104T074312_20190104T075641_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190104T083015_20190104T084459_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20190104T092259_20190104T095506_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_20190104T095810_20190104T100025_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T100030_20190104T100632_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190104T100946_20190104T103501_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_20190104T110703_20190104T111721_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20190104T112255_20190104T113321_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_20190104T114020_20190104T114436_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190104T114834_20190104T121741_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20190104T122436_20190104T122618_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_20190104T124039_20190104T125634_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_20190104T125943_20190104T131221_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190104T131931_20190104T132512_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_20190104T141843_20190104T145206_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20190104T145835_20190104T150347_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T150824_20190104T152523_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_20190104T155702_20190104T163054_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190104T163623_20190104T163834_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190104T163841_20190104T164254_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T164734_20190104T172109_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_20190104T172344_20190104T172514_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T173733_20190104T174813_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190104T175253_20190104T175429_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20190104T175458_20190104T181011_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_20190104T181214_20190104T181733_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T181752_20190104T181959_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190104T182846_20190104T184108_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20190104T184305_20190104T190028_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_20190104T192243_20190104T193213_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_20190104T193415_20190104T194906_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_20190104T195139_20190104T195633_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
		records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190104T195708_20190104T195824_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190104T200437_20190104T200722_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_20190104T202416_20190104T203534_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_20190104T211226_20190104T212824_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190104T213122_20190104T213600_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190104T213622_20190104T213749_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190104T214233_20190104T221654_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_20190104T224201_20190104T230739_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190104T231015_20190104T231501_C001	Backscatter Averaging Status Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
		records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190104T231520_20190104T231845_C001	Ice Backscatter Averaging Status	records.
		10001401

CS_OFFL_SIR_GOPM_2_20190104T232213_20190104T233314_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_20190104T233849_20190104T234844_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_20190103T235914_20190104T000048_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190104T000557_20190104T000603_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190104T000931_20190104T001100_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_20190104T045917_20190104T050213_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190104T091621_20190104T091804_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_20190104T150347_20190104T150512_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_20190104T070556_20190104T070758_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_20190104T154708_20190104T155702_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_20190104T210736_20190104T211226_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

5.8 L2 Ocean Retracking Quality Check

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

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

Number of products with errors:

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

6.1 P2P Product Format Check

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

Number of products with errors:

0

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

Number of products with errors:

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220190104T005552_20190104T014527_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Range Measurement Check

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

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

Tost Failed

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

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

Floudet	restraneu	Description
CS_OFFL_SIR_GOP_2_20190103T231638_20190104T000613_C002	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190104T000613_20190104T005552_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_20190104T005552_20190104T014527_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_220190104T014527_20190104T023505_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_220190104T023505_20190104T032440_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_220190104T032440_20190104T041419_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_20190104T041419_20190104T050354_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190104T050354_20190104T055333_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_20190104T055333_20190104T064307_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190104T064307_20190104T073246_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_220190104T073246_20190104T082221_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T082221_20190104T091200_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_220190104T091200_20190104T100134_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_20190104T100134_20190104T105113_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_20190104T105113_20190104T114048_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_20190104T114048_20190104T123027_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_20190104T123027_20190104T132002_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_20190104T132002_20190104T140941_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_20190104T140941_20190104T145915_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190104T145915_20190104T154854_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_20190104T154854_20190104T163829_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190104T163829_20190104T172808_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_20190104T172808_20190104T181742_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_20190104T181742_20190104T190721_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190104T190721_20190104T195656_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_20190104T195656_20190104T204635_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190104T204635_20190104T213609_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_20190104T213609_20190104T222548_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190104T222548_20190104T231523_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_220190104T231523_20190105T000502_C002	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has 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.

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20190103T231638_20190104T000613_C002	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190104T000613_20190104T005552_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_220190104T005552_20190104T014527_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_220190104T014527_20190104T023505_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_220190104T023505_20190104T032440_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_220190104T032440_20190104T041419_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_220190104T041419_20190104T050354_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_220190104T050354_20190104T055333_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_220190104T055333_20190104T064307_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_20190104T064307_20190104T073246_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_220190104T073246_20190104T082221_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_220190104T082221_20190104T091200_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_220190104T091200_20190104T100134_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_220190104T100134_20190104T105113_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_220190104T105113_20190104T114048_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_220190104T114048_20190104T123027_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_20190104T123027_20190104T132002_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_20190104T132002_20190104T140941_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_20190104T140941_20190104T145915_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_20190104T145915_20190104T154854_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_20190104T154854_20190104T163829_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_20190104T163829_20190104T172808_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_20190104T172808_20190104T181742_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_20190104T181742_20190104T190721_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_20190104T190721_20190104T195656_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_20190104T195656_20190104T204635_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_20190104T204635_20190104T213609_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_220190104T213609_20190104T222548_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_20190104T222548_20190104T231523_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_20190104T231523_20190105T000502_C002	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

6.8 P2P Ocean Retracking Quality Check

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20190104T000613_20190104T005552_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T005552_20190104T014527_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T014527_20190104T023505_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T023505_20190104T032440_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T032440_20190104T041419_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T041419_20190104T050354_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T050354_20190104T055333_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T055333_20190104T064307_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T064307_20190104T073246_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T073246_20190104T082221_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T091200_20190104T100134_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T100134_20190104T105113_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T105113_20190104T114048_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T114048_20190104T123027_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T123027_20190104T132002_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T132002_20190104T140941_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T140941_20190104T145915_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T145915_20190104T154854_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T154854_20190104T163829_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T163829_20190104T172808_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T172808_20190104T181742_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T181742_20190104T190721_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T190721_20190104T195656_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T195656_20190104T204635_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T213609_20190104T222548_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T222548_20190104T231523_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190104T231523_20190105T000502_C002	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.