



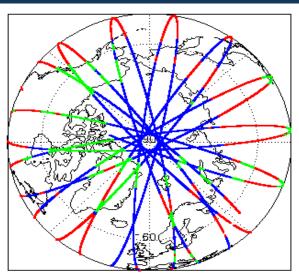
# 1. Overview

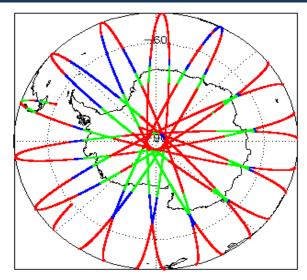
Report Production:	15-Feb-2019
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

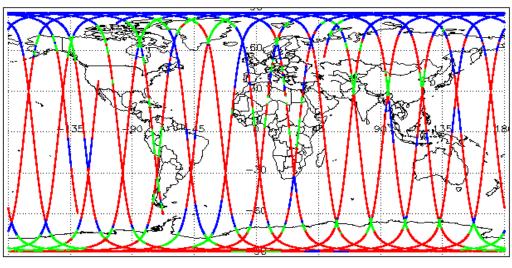
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

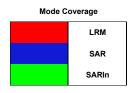
Mission / Instrument News		
15-Jan-2019	None	
16-Jan-2019	None	
17-Jan-2019	Nothing planned	

# 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:

Λ

#### 4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

16

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20190116T075709_20190116T080145_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20190116T105058_20190116T110241_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190116T022259_20190116T022349_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190116T022605_20190116T022726_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190116T071942_20190116T072050_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190116T085857_20190116T090450_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190116T134808_20190116T134911_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190116T153052_20190116T153242_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190116T180505_20190116T180701_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190116T234003_20190116T234452_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190116T072846_20190116T073103_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190116T103011_20190116T103224_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190116T120806_20190116T121012_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190116T133852_20190116T134003_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190116T184558_20190116T184844_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190116T220823_20190116T221700_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:

### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

## 5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

0

### 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

# 5.6 L2 Range Measurement Check

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

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

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

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

Number of products with errors:

77

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20190115T235843_20190116T000925_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T001501_20190116T003250_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

Dig			The Ocean Range Averaging Status Flag has been set for one or more
Communication 2 and 2 an	CS_OFFL_SIR_GOPM_2_20190116T004522_20190116T004615_C001	Ocean Range Averaging Status	records.
COVER_SECOND_2.00011503012_COVERTSTORTED_COV	CS_OFFL_SIR_GOPM_2_20190116T012123_20190116T012410_C001	Ocean Range Averaging Status	records.
COUNT DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION OF THE PROPERTY OF THE P	CS_OFFL_SIR_GOPM_2_20190116T012612_20190116T013143_C001	Ice Range Averaging Status	records.
Communication   Communicatio	CS_OFFL_SIR_GOPM_2_20190116T013742_20190116T021108_C001	Ocean Range Averaging Status	
Control State Control State   Control State	CS_OFFL_SIR_GOPM_2_20190116T022448_20190116T022604_C001	Ocean Range Averaging Status	
Compliance (Compliance) (Compli	CS_OFFL_SIR_GOPM_2_20190116T024408_20190116T030325_C001	Ocean Range Averaging Status	
Cooper, Sim, Cornell 2 20100111010022 20101110101010200 Cooper Simple Averaging Status Cooper Simple Simple Simple Simple Simple Simple Simple Simple Simpl	CS_OFFL_SIR_GOPM_2_20190116T031627_20190116T035022_C001	Ocean Range Averaging Status	
Company Company 2 passion transaction 2 pass	CS_OFFL_SIR_GOPM_2_20190116T041520_20190116T041957_C001	Ocean Range Averaging Status	
CO. CPT., SRI, GOPM. 2. 201901101000001 201901101000001 201901101000001 201901101000001 201901101000001 201901101000001 201901101000001 201901101000001 201901101000001 201901101000001 201901101000001 201901101000001 201901101000001 201901101000001 201901101000001 201901101000001 201901101000001 201901101000001 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 201901101000000 2019011010000000000	CS_OFFL_SIR_GOPM_2_20190116T042036_20190116T043813_C001	Ocean Range Averaging Status	
CB_OFF_SR_GOM_2_20190118T0002_2019018T00030_C01  CB_OFF_SR_GOM_2_2019018T00003_2019018T00020_C01  CB_OFF_SR_GOM_2_2019018T00000_2019018T000020_C01  CB_OFF_SR_GOM_2_2019018T00000_2019018T000020_C01  CB_OFF_SR_GOM_2_2019018T00000_2019018T000000_C01  CB_OFF_SR_GOM_2_2019018T000000_2019018T000000_C01  CB_OFF_SR_GOM_2_2019018T000000_2019018T000000_C01  CB_OFF_SR_GOM_2_2019018T000000_2019018T000000_C01  CB_OFF_SR_GOM_2_2019018T000000_2019018T000000_C01  CB_OFF_SR_GOM_2_2019018T000000_2019018T000000_C01  CB_OFF_SR_GOM_2_2019018T000000_2019018T0000000_C01  CB_OFF_SR_GOM_2_2019018T000000_2019018T000000_C01  CB_OFF_SR_GOM_2_2019018T000000_2019018T0000000_C01  CB_OFF_SR_GOM_2_2019018T000000_2019018T0000000_C01  CB_OFF_SR_GOM_2_2019018T000000_2019018T0000000_C01  CB_OFF_SR_GOM_2_2019018T000000_2019018T0000000_C01  CB_OFF_SR_GOM_2_2019018T0000000_2019018T0000000_C01  CB_OFF_SR_GOM_2_2019018T0000000_2019018T0000000_C01  CB_OFF_SR_GOM_2_2019018T000000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20190116T044747_20190116T044943_C001	Ice Range Averaging Status	
CO. OPTE, SRI, COPIA, 2. 201991197198192 2019911971982541 C001  CO. OPTE, SRI, COPIA, 2. 2019911971985682, 2019911971982541 C001  CO. OPTE, SRI, COPIA, 2. 201991197198682, 2019911971982541 C001  CO. OPTE, SRI, COPIA, 2. 201991197198682, 2019911971982501 C001  CO. OPTE, SRI, COPIA, 2. 201991197198682, 2019911971972507 C001  CO. OPTE, SRI, COPIA, 2. 20199119719782, 201991197197507 C001  CO. OPTE, SRI, COPIA, 2. 20199119719782, 201991197197507 C001  CO. OPTE, SRI, COPIA, 2. 20199119719782, 201991197197507 C001  CO. OPTE, SRI, COPIA, 2. 20199119719782, 20199119719782, C001  CO. OPTE, SRI, COPIA, 2. 20199119719784, C00	CS_OFFL_SIR_GOPM_2_20190116T045634_20190116T051122_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Carper Bass CoPPU 2 20100110700382 20100110700382 COST Common Resign Averaging Status Processing Status Fing Averaging Status Processing Status Fing Averaging Status Find Avera	CS_OFFL_SIR_GOPM_2_20190116T051125_20190116T051405_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFF_SR_GOPM_2_20191119T003612_2019119T003612_C01919T003612_C019119T003612_C019	CS_OFFL_SIR_GOPM_2_20190116T051846_20190116T052541_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS. OFFL. SIR. GOPM. 2.20160116T000005_20190116T000005_COOTE  CS. OFFL. SIR. GOPM. 2.20160116T000005_COOTE  CS. OFFL. SIR. GOPM. 2.20160116T00005_COOTE  CS. OFFL. SIR. GOPM. 2.20160116T10005_COOTE  CS. OFFL. SIR	CS OFFL SIR GOPM 2 20190116T054555 20190116T060320 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CB_OFF_SIR_GOPM701001116100055_201001161100555_0001  CB_OFF_SIR_GOPM20100116100555_20100116100555_0001  CB_OFF_SIR_GOPM20100116100555_2010011610055_0001  CB_OFF_SIR_GOPM2010011610055_2010011610055_0001  CB_OFF_SIR_GOPM2010011610055_2010011610055_0001  CB_OFF_SIR_GOPM2010011610055_201001161005_0001  CB_OFF_SIR_GOPM2010011610055_2010011610055_0001  CB_OFF_SIR_GOPM2010011610055_2010011610055_0001  CB_OFF_SIR_GOPM2010011610055_201001161005_0001  CB_OFF_SIR_GOPM2010011610055_201001161005_0001  CB_OFF_SIR_GOPM2010011610055_201001161005_0001  CB_OFF_SIR_GOPM2010011610055_201001161005_0001  CB_OFF_SIR_GOPM2010011610055_201001161005_0001  CB_OFF_SIR_GOPM201001161005_201001161005_0001	CS OFFL SIR GOPM 2 20190116T060501 20190116T061910 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_201601167062652_20196116706356_C001  CS_OFFL_SIR_GOPM_2_201601167062632_20196116706312_C001  CS_OFFL_SIR_GOPM_2_20160116706303_20196116706271_C001  CS_OFFL_SIR_GOPM_2_201601167076072_20196116706271_C001  CS_OFFL_SIR_GOPM_2_201601167076072_20196116706271_C001  CS_OFFL_SIR_GOPM_2_201601167076072_20196116706271_C001  CS_OFFL_SIR_GOPM_2_201601167076072_20196116706275_C001  CS_OFFL_SIR_GOPM_2_201601167076072_20196116706203_C001  CS_OFFL_SIR_GOPM_2_201601167076072_20196116706203_C001  CS_OFFL_SIR_GOPM_2_20160116706513_20196116706203_C001  CS_OFFL_SIR_GOPM_2_20160116706513_20196116706303_C001  CS_OFFL_SIR_GOPM_2_20160116706513_20196116706303_C001  CS_OFFL_SIR_GOPM_2_20160116706513_20196116706303_C001  CS_OFFL_SIR_GOPM_2_20160116706432_20196116706432_C001  CS_OFFL_SIR_GOPM_2_20160116706432_20196116706432_C001  CS_OFFL_SIR_GOPM_2_20160116706432_20196116706432_C001  CS_OFFL_SIR_GOPM_2_201601167066432_20196116706432_C001  CS_OFFL_SIR_GOPM_2_201601167066432_20196116706310001  CS_OFFL_SIR_GOPM_2_201601167066432_2019611670632_C001  CS_OFFL_SIR_GOPM_2_20160116710682_2019611670632_C001  CS_OFFL_SIR_GOPM_2_20160116710682_20196116710622_C001  CS_OFFL_SIR_GOPM_2_20160116710682_20196116710622_C001  CS_OFFL_SIR_GOPM_2_201601167110682_C001  CS_OFFL_S			The Ice Range Averaging Status Flag has been set for one or more
Co. OFFL. SIR. COPM 2_201001161100344_201001161003432_CO01  Co. OFFL. SIR. COPM 2_201001161003432_C01001161003525_CO01  Co. OFFL. SIR. COPM 2_201001161003432_C01001  Co. OFFL. SIR. COPM 2_201001161003432_C01001  Co. OFFL. SIR. COPM 2_201001161003433_C01001  Co. OFFL. SIR. COPM 2_2010011611003433_C01001  Co. OFFL. SIR. COPM 2_2010011611003433_C0101  Co. OFFL. SIR. COPM 2_201001161110343_C0101  Co. OFFL. SIR. COPM 2_201001161110341_C010101110341 CO. OFFL. SIR. COPM 2_201001161110341_C010101110341 CO			
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Coor Range Averaging Status  Fig. GOPM_2 20190116709000 201901167090140 20190  CS OFFL_SIR_GOPM_2 2019011670818 20190116708303 C001  CS OFFL_SIR_GOPM_2 20190116708418 20190116708430 C001  CS OFFL_SIR_GOPM_2 20190116708410 C001  CS OFFL_SIR_GOPM_2 20190116708410 20190116708430 C001  CS OFFL_SIR_GOPM_2 20190116708410 20190116708430 C001  CS OFFL_SIR_GOPM_2 20190116708410 20190116708410 C001  CS OFFL_SIR_GOPM_2 20190116708410 20190116711385 C001  CS OFFL_SIR_GOPM_2 201901167113128 20190116711385 C001  CS OFFL_SIR_GOPM_2 201901167113128 201901167113100 C001  CS OFFL_SIR_GOPM_2 201901167113128 201901167113100 C001  CS OFFL_SIR_GOPM_2 201901167113128 201901167113100 C001  CS OFFL_SIR_GOPM_2 20190116711328 20190116711300 C001  CS OFFL_SIR_GOPM_2 201901167113100 C001  CS OFFL_SIR_GOPM_2 20190116711300 C001  CS OFFL_SIR_GOPM_2 2019011671300 C001  CS OFFL_SIR_GOPM			records.
SCO. OFFL.SR. GOPM. 2. 20190116710940. 2019011671093034. CODI  SCO. OFFL.SR. GOPM. 2. 201901167094516. 201901167093034. CODI  SCO. OFFL.SR. GOPM. 2. 201901167094516. 201901167093034. CODI  SCO. OFFL.SR. GOPM. 2. 201901167094516. 201901167093034. CODI  SCO. OFFL.SR. GOPM. 2. 201901167094333. 201901167094336. CODI  SCO. OFFL.SR. GOPM. 2. 201901167094333. 2019011671094336. CODI  SCO. OFFL.SR. GOPM. 2. 201901167094333. 201901167109420. CODI  SCO. OFFL.SR. GOPM. 2. 2019011671094333. 201901167109420. CODI  SCO. OFFL.SR. GOPM. 2. 201901167109520. 201901167110920. CODI  SCO. OFFL.SR. GOPM. 2. 201901167109520. 201901167110920. CODI  SCO. OFFL.SR. GOPM. 2. 2019011671109520. 2019011671109520. CODI  SCO. OFFL.SR. GOPM. 2. 2019011671130952. 2019011671109520. CODI  SCO. OFFL.SR. GOPM. 2. 2019011671130952. 201901167113092. CODI  SCO. OFFL.SR. GOPM. 2. 201901167113095. 201901167113095. CODI  SCO. OFFL.SR. GOPM. 2. 201901167113095. 20190116713095. CODI  SCO. OFFL.SR. GOPM. 2. 201901167113095. 20190116713095. CODI  SCO. OFFL.SR. GOPM. 2. 20190116713095. 201901	CS_OFFL_SIR_GOPM_2_20190116T074744_20190116T075525_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_201901167100418_201901167008304_C001  Ocean Range Averaging Status Flag has been set for one or more exocds.  OCEAN PLANCE AND PROPRIES AND PR	CS_OFFL_SIR_GOPM_2_20190116T075709_20190116T080145_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_201901167109433_20190116709439_C001  CS_OFFL_SIR_GOPM_2_20190116709433_20190116709439_C001  CS_OFFL_SIR_GOPM_2_20190116709433_20190116709439_C001  CS_OFFL_SIR_GOPM_2_201901167109439_201901167110924_C001  CS_OFFL_SIR_GOPM_2_201901167109548_20190116710928_C001  CS_OFFL_SIR_GOPM_2_201901167109548_201901167110924_C001  CS_OFFL_SIR_GOPM_2_201901167109548_201901167110924_C001  CS_OFFL_SIR_GOPM_2_201901167109548_201901167110924_C001  CS_OFFL_SIR_GOPM_2_201901167109548_201901167110924_C001  CS_OFFL_SIR_GOPM_2_2019011671099_20190116711095_C001  CS_OFFL_SIR_GOPM_2_2019011671099_2019016711309_C001  CS_OFFL_SIR_GOPM_2_201901167130492_20190116711300_C001  CS_OFFL_SIR_GOPM_2_201901167130492_2019011671300_C001  CS_OFFL_SIR_GOPM_2_201901167130492_2019011671300_C001  CS_OFFL_SIR_GOPM_2_201901167130492_2019011671300_C001  CS_OFFL_SIR_GOPM_2_201901167130492_2019011671300_C001  CS_OFFL_SIR_GOPM_2_201901167130492_2019011671300_C001  CS_OFFL_SIR_GOPM_2_201901167130492_2019011671300_C001  CS_OFFL_SIR_GOPM_2_201901167130492_20190116713000_C001  CS_OFFL_SIR_GOPM_2_201901167130492_20190116713000_C001  CS_OFFL_SIR_GOPM_2_2019011671304012_20190116713000_C001  CS_OFFL_SIR_GOPM_2_2019011671304012_20190116713000_C001  CS_OFFL_SIR_GOPM_2_2019011671304012_20190116713000_C001  CS_OFFL_SIR_GOPM_2_2019011671304012_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713000_C00116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713000_C00116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713000_C00116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713000_C00116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713000_C00116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713000_C00116716000_C001  CS_OFFL_SIR_GOPM_2_201901167	CS_OFFL_SIR_GOPM_2_20190116T080451_20190116T081257_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190116T109433_20190116T109453_C001	CS_OFFL_SIR_GOPM_2_20190116T081518_20190116T083034_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_201901167109432_201901167109458_C001  CS_OFFL_SIR_GOPM_2_2019011671096418_20190116710952_C001  CS_OFFL_SIR_GOPM_2_2019011671096418_20190116711085_C001  CS_OFFL_SIR_GOPM_2_2019011671096518_201901167111085_C001  CS_OFFL_SIR_GOPM_2_2019011671096518_201901167111085_C001  CS_OFFL_SIR_GOPM_2_201901167110819_201901167111285_C001  CS_OFFL_SIR_GOPM_2_201901167110819_201901167111285_C001  CS_OFFL_SIR_GOPM_2_201901167110819_201901167111295_C001  CS_OFFL_SIR_GOPM_2_20190116711295_20190116711309_C001  CS_OFFL_SIR_GOPM_2_201901167113038_201901167113109_C001  CS_OFFL_SIR_GOPM_2_201901167113318_20190116713109_C001  CS_OFFL_SIR_GOPM_2_20190116713349_20190116713109_C001  CS_OFFL_SIR_GOPM_2_20190116713049_20190116713109_C001  CS_OFFL_SIR_GOPM_2_20190116713049_20190116713109_C001  CS_OFFL_SIR_GOPM_2_20190116713049_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713049_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713049_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713049_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713049_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713049_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713049_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713049_20190116713000_C001  CS_OFFL_SIR_GOPM_2_20190116713049_20190116713000_C001  CS_OFFL_SIR_GOPM_2_201901167140439_20190116713000_C001  CS_OFFL_SIR_GOPM_2_201901167140439_20190116713000_C001  CS_OFFL_SIR_GOPM_2_201901167140439_20190116713000_C001  CS_OFFL_SIR_GOPM_2_201901167140439_20190116713000_C001  CS_OFFL_SIR_GOPM_2_201901167140439_20190116713000_C001  CS_OFFL_SIR_GOPM_2_201901167140439_20190116713000_C001  CS_OFFL_SIR_GOPM_2_201901167140400_20190116714000_C001  CS_OFFL_SIR_GOPM_2_201901167140400_C001  CS_OFFL_SIR_GOPM_2_201901167140400_C001  CS_OFFL_SIR_GOPM_2_201901167140400_C001  CS_OFFL_SIR_GOPM_2_201901167140400_C001  CS_OFFL_SIR_GOPM_2_201901167140400_C001  CS_OFFL_SIR_GOPM_2_201901167140400_C001  CS_OFFL_SIR_GOPM_2_201901167140400_C001  CS_OFFL_SIR_GOPM_2_201901167140400_C001  CS_OFFL_SIR_GOPM_2_201901167140400_C001	CS_OFFL_SIR_GOPM_2_20190116T090710_20190116T094100_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190116T1926_2001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190116T1926_2001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one o	CS_OFFL_SIR_GOPM_2_20190116T094333_20190116T094538_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190116T109598_20190116T110241_C001  Ocean Range Averaging Status  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocean Range Averaging Status Flag has been set for one or more records.  The Cocea	CS_OFFL_SIR_GOPM_2_20190116T094611_20190116T095139_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190116T110819_20190116T111858_C001  CS_OFFL_SIR_GOPM_2_20190116T112355_20190116T112355_C001  Ice Range Averaging Status  The locan Range Averaging Status Flag has been set for one or more records.  The locan Range Averaging Status Flag has been set for one or more records.  The locan Range Averaging Status Flag has been set for one or more records.  The locan Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190116T113308_20190116T1120106_C001  CS_OFFL_SIR_GOPM_2_20190116T13318_20190116T120106_C001  CS_OFFL_SIR_GOPM_2_20190116T13318_20190116T120106_C001  CS_OFFL_SIR_GOPM_2_20190116T13318_20190116T120106_C001  CS_OFFL_SIR_GOPM_2_20190116T13318_20190116T130109_C001  CS_OFFL_SIR_GOPM_2_20190116T13116_20190116T131001  CS_OFFL_SIR_GOPM_2_20190116T13116_20190116T131001  CS_OFFL_SIR_GOPM_2_20190116T13116_20190116T131001  CS_OFFL_SIR_GOPM_2_20190116T13116_20190116T131001  CS_OFFL_SIR_GOPM_2_20190116T13116_20190116T131001  CS_OFFL_SIR_GOPM_2_20190116T131019_C001  CS_OFFL_SIR_GOPM_2_20190116T131019_C001  CS_OFFL_SIR_GOPM_2_20190116T131019_C001  CS_OFFL_SIR_GOPM_2_20190116T131016T14000_C001  CS_OFFL_SIR_GOPM_2_20190116T131016T14000_C001  CS_OFFL_SIR_GOPM_2_20190116T13000_C001  CS_OFFL_SIR_GOPM_2_20190116T13000_C001  CS_OFFL_SIR_GOPM_2_20190116T13000_C001  CS_OFFL_SIR_GOPM_2_20190116T14000_C001  CS_OFFL_SIR_GOPM_2_20190116T14000_C0010  CS_OFFL_SIR_GOPM_2_20190116T14000_C0010  CS_OFFL_SIR_GOPM_2_20190116T16000_C001000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20190116T095418_20190116T101928_C001	Ocean Range Averaging Status	
CS_OFF_SIR_GOPM_2_20190116T112283_20190116T112955_CO01  CRAnge Averaging Status  The loce Range Averaging Status Flag has been set for one or more records.  CS_OFF_SIR_GOPM_2_20190116T112541_20190116T113026_CO01  CS_OFF_SIR_GOPM_2_20190116T1131312_CO01  CS_OFF_SIR_GOPM_2_20190116T1133142_CO01  CS_OFF_SIR_GOPM_2_20190116T1133142_CO01  CS_OFF_SIR_GOPM_2_20190116T130349_20190116T125812_CO01  CS_OFF_SIR_GOPM_2_20190116T130349_20190116T13036_CO01  CS_OFF_SIR_GOPM_2_20190116T130349_20190116T13036_CO01  CS_OFF_SIR_GOPM_2_20190116T130349_20190116T13036_CO01  CS_OFF_SIR_GOPM_2_20190116T130349_20190116T13036_CO01  CS_OFF_SIR_GOPM_2_20190116T130349_20190116T130406_CO01  CS_OFF_SIR_GOPM_2_20190116T130412_C0190116T130406_CO01  CS_OFF_SIR_GOPM_2_20190116T140439_20190116T140405_CO01  CS_OFF_SIR_GOPM_2_20190116T140439_20190116T140406_CO01  CS_OFF_SIR_GOPM_2_20190116T140431_C0190116T140406_CO01  CS_OFF_SIR_GOPM_2_20190116T140431_C0190116T140406_CO01  CS_OFF_SIR_GOPM_2_20190116T161241_C0190116T151046_CO01  CS_OFF_SIR_GOPM_2_20190116T161243_C0190116T161610_CO01  CS_OFF_SIR_GOPM_2_20190116T16241_C0190116T161610_CO01  CS_OFF_SIR_GOPM_2_20190116T16241_C0190116T161610_CO01  CS_OFF_SIR_GOPM_2_20190116T16241_C0190116T161624_C001  CS_OFF_SIR_GOPM_2_20190116T16241_C0190116T161624_C001  CS_OFF_SIR_GOPM_2_20190116T16241_C0190116T16240_C001  CS_OFF_SIR_GOPM_2_20190116T16241_C0190116T16240_C001  CS_OFF_SIR_GOPM_2_20190116T16241_C0190116T16240_C001  CS_OFF_SIR_GOPM_2_20190116T16241_C0190116T162250_C001  CS_OFF_SIR_GOPM_2_20190116T16241_C0190116T162250_C001  CS_OFF_SIR_GOPM_2_20190116T16241_C0190116T17032_C001  CS_OFF_SIR_GOPM_2_20190116T170751_C0190116T17032_C001  CS_OFF_SIR_GOPM_2_20190116T170751_C0190116T17032_C001  CS_OFF_SIR_GOPM_2_20190116T170751_C0190116T17032_C001  CS_OFF_SIR_GOPM_2_20190116T170751_C0190116T17032_C001  CS_OFF_SIR_GOPM_2_20190116T170751_C0190116T17032_C001  CS_OFF_SIR_GOPM_2_20190116T162410_C0190116T17032_C001  CS_OFF_SIR_GOPM_2_20190116T170751_C0190116T170751_C001  CS_OFF_SIR_GOPM_2_20190116T170751_C0190116T170752_C001	CS_OFFL_SIR_GOPM_2_20190116T105058_20190116T110241_C001	Ocean Range Averaging Status	
Les OFFL_SIR_GOPM_2_20190116T112553_20190116T113255_C001  Lec Range Averaging Status	CS_OFFL_SIR_GOPM_2_20190116T110819_20190116T111858_C001	Ocean Range Averaging Status	
to Anige Averaging Status  CS_OFFL_SIR_GOPM_2_20190116T113036_20190116T113140_C001  CS_OFFL_SIR_GOPM_2_20190116T1318_20190116T120106_C001  Ocean Range Averaging Status  CS_OFFL_SIR_GOPM_2_20190116T122511_20190116T125823_C001  Ocean Range Averaging Status  CS_OFFL_SIR_GOPM_2_20190116T130449_20190116T13019_C001  Ice Range Averaging Status  Ice Range Averaging Status  Ice Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190116T131216_20190116T131019_C001  CS_OFFL_SIR_GOPM_2_20190116T1314912_20190116T131808_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190116T140439_20190116T143806_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190116T140439_20190116T144306_C001  Ice Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190116T144351_20190116T144005_C001  Ice Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190116T145112_20190116T151046_C001  Ocean Range Averaging Status  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190116T144351_20190116T161813_C001  Ocean Range Averaging Status  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The	CS_OFFL_SIR_GOPM_2_20190116T112253_20190116T112355_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190116T113318_20190116T125823_C001  Ocean Range Averaging Status  CS_OFFL_SIR_GOPM_2_20190116T125E11_20190116T125E32_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averagin	CS_OFFL_SIR_GOPM_2_20190116T112541_20190116T113029_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190116T12512_20190116T12582_C001  CS_OFFL_SIR_GOPM_2_20190116T13049_20190116T13109_C001  CS_OFFL_SIR_GOPM_2_20190116T131216_20190116T13109_C001  CS_OFFL_SIR_GOPM_2_20190116T131216_20190116T131808_C001  CS_OFFL_SIR_GOPM_2_20190116T131216_20190116T131808_C001  CS_OFFL_SIR_GOPM_2_20190116T134912_20190116T135115_C001  CS_OFFL_SIR_GOPM_2_20190116T144912_20190116T135115_C001  CS_OFFL_SIR_GOPM_2_20190116T140439_20190116T143806_C001  CS_OFFL_SIR_GOPM_2_20190116T140439_20190116T143806_C001  CS_OFFL_SIR_GOPM_2_20190116T140439_20190116T14050_C001  CS_OFFL_SIR_GOPM_2_20190116T144351_20190116T151046_C001  CS_OFFL_SIR_GOPM_2_20190116T145112_20190116T151046_C001  CS_OFFL_SIR_GOPM_2_20190116T145243_20190116T16135_C001  CS_OFFL_SIR_GOPM_2_20190116T164243_20190116T16135_C001  CS_OFFL_SIR_GOPM_2_20190116T164243_20190116T16250_C001  CS_OFFL_SIR_GOPM_2_20190116T162401_20190116T16235_C001  CS_OFFL_SIR_GOPM_2_20190116T162401_20190116T16235_C001  CS_OFFL_SIR_GOPM_2_20190116T162401_20190116T16235_C001  CS_OFFL_SIR_GOPM_2_20190116T162401_20190116T16235_C001  CS_OFFL_SIR_GOPM_2_20190116T162401_20190116T16235_C001  CS_OFFL_SIR_GOPM_2_20190116T162401_20190116T16235_C001  CS_OFFL_SIR_GOPM_2_20190116T162401_20190116T16235_C001  CS_OFFL_SIR_GOPM_2_20190116T162401_20190116T17039_C001  CS_OFFL_SIR_GOPM_2_20190116T170751_20190116T17039_C001  CS_OFFL_SIR_GOPM_2_20190116T170751_20190116T17039_C001  CS_OFFL_SIR_GOPM_2_20190116T177331_20190116T177331_C001  CS_OFFL_SIR_GOPM_2_20190116T177332_20190116T177331_C001  CS_OFFL_SIR_GOPM_2_20190116T177332_20190116T177332_C001  CS_OFFL_SIR_GOPM_2_20190116T177332_20190116T170549_C001  CS_OFFL_SIR_GOPM_2_20190116T177332_20190116T18269_C001  CS_OFFL_SIR_GOPM_2_20190116T177332_20190116T18269_C001  CS_OFFL_SIR_GOPM_2_20190116T177332_20190116T18269_C001  CS_OFFL_SIR_GOPM_2_20190116T177332_20190116T18269_C001  CS_OFFL_SIR_GOPM_2_20190116T177332_20190116T18269_C001  CS_OFFL_SIR_GOPM_2_20190116T177332_20190116T18049_C001  CS_OFFL_SIR_GOPM_2_20190116T177332_20190116T18049_C001  CS_OFFL_SIR_GOPM_2_2	CS_OFFL_SIR_GOPM_2_20190116T113036_20190116T113140_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190116T130449_20190116T131019_C001  CS_OFFL_SIR_GOPM_2_20190116T131216_20190116T131019_C001  CS_OFFL_SIR_GOPM_2_20190116T131216_20190116T131019_C001  CS_OFFL_SIR_GOPM_2_20190116T134912_20190116T135115_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The 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.  CS_OFFL_SIR_GOPM_2_20190116T1	CS_OFFL_SIR_GOPM_2_20190116T113318_20190116T120106_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190116T130449_20190116T131019_C001  CS_OFFL_SIR_GOPM_2_20190116T131216_20190116T131808_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190116T143512_20190116T161613_C001  Ocean Range Averaging Status  CS_OFFL_SIR_GOPM_2_20190116T161929_20190116T161613_C001  CS_OFFL_SIR_GOPM_2_20190116T161929_20190116T162351_C001  Ice Range Averaging Status  The Ice Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190116T162410_20190116T162804_C001  Ice Range Averaging Status  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one	CS_OFFL_SIR_GOPM_2_20190116T122511_20190116T125823_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190116T131216_20190116T131808_C001  CS_OFFL_SIR_GOPM_2_20190116T134912_20190116T135115_C001  CS_OFFL_SIR_GOPM_2_20190116T140439_20190116T143806_C001  CS_OFFL_SIR_GOPM_2_20190116T140439_20190116T143806_C001  CS_OFFL_SIR_GOPM_2_20190116T144351_20190116T144905_C001  CS_OFFL_SIR_GOPM_2_20190116T144351_20190116T144905_C001  CS_OFFL_SIR_GOPM_2_20190116T145112_20190116T151046_C001  CS_OFFL_SIR_GOPM_2_20190116T145112_20190116T151046_C001  CS_OFFL_SIR_GOPM_2_20190116T154243_20190116T161613_C001  CS_OFFL_SIR_GOPM_2_20190116T161929_20190116T161613_C001  CS_OFFL_SIR_GOPM_2_20190116T161929_20190116T162351_C001  CS_OFFL_SIR_GOPM_2_20190116T162410_20190116T162351_C001  CS_OFFL_SIR_GOPM_2_20190116T162410_20190116T162001  CS_OFFL_SIR_GOPM_2_20190116T162410_20190116T10627001  CS_OFFL_SIR_GOPM_2_20190116T162410_20190116T10027_C001  CS_OFFL_SIR_GOPM_2_20190116T163156_20190116T170027_C001  CS_OFFL_SIR_GOPM_2_20190116T17051_20190116T170027_C001  CS_OFFL_SIR_GOPM_2_20190116T17051_20190116T170027_C001  CS_OFFL_SIR_GOPM_2_20190116T17051_20190116T170027_C001  CS_OFFL_SIR_GOPM_2_20190116T17051_20190116T170027_C001  CS_OFFL_SIR_GOPM_2_20190116T17051_20190116T170027_C001  CS_OFFL_SIR_GOPM_2_20190116T172613_20190116T173331_C001  CS_OFFL_SIR_GOPM_2_20190116T172613_20190116T173331_C001  CS_OFFL_SIR_GOPM_2_20190116T173812_20190116T173331_C001  CS_OFFL_SIR_GOPM_2_20190116T173812_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T173812_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T17532_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T17532_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T173812_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T17532_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T17532_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T17532_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T17532_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T16500000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20190116T130449_20190116T131019_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190116T149492_20190116T143806_C001  CS_OFFL_SIR_GOPM_2_20190116T140439_20190116T143806_C001  CS_OFFL_SIR_GOPM_2_20190116T140439_20190116T144905_C001  CS_OFFL_SIR_GOPM_2_20190116T144351_20190116T144905_C001  CS_OFFL_SIR_GOPM_2_20190116T145112_20190116T151046_C001  CS_OFFL_SIR_GOPM_2_20190116T145112_20190116T151046_C001  CS_OFFL_SIR_GOPM_2_20190116T145112_20190116T161613_C001  CS_OFFL_SIR_GOPM_2_20190116T1614243_20190116T161613_C001  CS_OFFL_SIR_GOPM_2_20190116T161929_20190116T161633_C001  CS_OFFL_SIR_GOPM_2_20190116T161929_20190116T162351_C001  CS_OFFL_SIR_GOPM_2_20190116T16240_20190116T162804_C001  CS_OFFL_SIR_GOPM_2_20190116T163156_20190116T170627_C001  CS_OFFL_SIR_GOPM_2_20190116T163156_20190116T170627_C001  CS_OFFL_SIR_GOPM_2_20190116T17051_20190116T17039_C001  CS_OFFL_SIR_GOPM_2_20190116T172613_20190116T173331_C001  CS_OFFL_SIR_GOPM_2_20190116T172613_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T173312_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T173312_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T173312_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T173312_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T17532_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T17532_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T17532_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T17532_20190116T180249_C001  CCS_OFFL_SIR_GOPM_2_20190116T17532_20190116T180249_C001  CCS_OFFL_SIR_GOPM_2_20190116T17532_20190116T180249_C001  CCS_OFFL_SIR_GOPM_2_20190116T180319_20190116T180249_C001  CCS_OFFL_SIR_GOPM_2_20190116T180319_20190116T180249_C001  CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS_OFFL_SIR_GOPM_2_20190116T131216_20190116T131808_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190116T140439_20190116T143806_C001  CS_OFFL_SIR_GOPM_2_20190116T144351_20190116T151046_C001  CS_OFFL_SIR_GOPM_2_20190116T144351_20190116T151046_C001  CS_OFFL_SIR_GOPM_2_20190116T145112_20190116T151046_C001  CS_OFFL_SIR_GOPM_2_20190116T154243_20190116T151046_C001  CS_OFFL_SIR_GOPM_2_20190116T154243_20190116T161613_C001  CS_OFFL_SIR_GOPM_2_20190116T164243_20190116T161613_C001  CS_OFFL_SIR_GOPM_2_20190116T161929_20190116T162351_C001  CS_OFFL_SIR_GOPM_2_20190116T162410_20190116T162804_C001  CS_OFFL_SIR_GOPM_2_20190116T163156_20190116T170627_C001  CS_OFFL_SIR_GOPM_2_20190116T163156_20190116T170627_C001  CS_OFFL_SIR_GOPM_2_20190116T170751_20190116T17039_C001  CS_OFFL_SIR_GOPM_2_20190116T17751_20190116T173331_C001  CS_OFFL_SIR_GOPM_2_20190116T17751_20190116T173331_C001  CS_OFFL_SIR_GOPM_2_20190116T177532_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T177532_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T177532_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T180249_C00	CS_OFFL_SIR_GOPM_2_20190116T134912_20190116T135115_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190116T144351_20190116T151046_C001  CS_OFFL_SIR_GOPM_2_20190116T145112_20190116T151046_C001  CS_OFFL_SIR_GOPM_2_20190116T154243_20190116T151046_C001  CS_OFFL_SIR_GOPM_2_20190116T154243_20190116T161613_C001  CS_OFFL_SIR_GOPM_2_20190116T161929_20190116T162351_C001  CS_OFFL_SIR_GOPM_2_20190116T162410_20190116T162804_C001  CS_OFFL_SIR_GOPM_2_20190116T163156_20190116T170627_C001  CS_OFFL_SIR_GOPM_2_20190116T163156_20190116T170627_C001  CS_OFFL_SIR_GOPM_2_20190116T170751_20190116T17092_C001  CS_OFFL_SIR_GOPM_2_20190116T170751_20190116T17092_C001  CS_OFFL_SIR_GOPM_2_20190116T170751_20190116T17092_C001  CS_OFFL_SIR_GOPM_2_20190116T172613_20190116T173331_C001  CS_OFFL_SIR_GOPM_2_20190116T173812_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T182833_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T182833_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T182833_20190116T18269_C001  CS_OFFL_SIR_GOPM_2_20190116T182833_20190116T18269_C001  CS_OFFL_SIR_GOPM_2_20190116T182833_20190116T18269_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T18269_C001  CS_OFFL_SIR_GOPM_2_20190116T182833_20190116T18269_C001  CS_OFFL_SIR_GO	CS_OFFL_SIR_GOPM_2_20190116T140439_20190116T143806_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190116T145112_20190116T151046_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 loc Range Averaging Status Flag has been set for one or more records.  The loc Range Averaging Status Flag has been set for one or more records.  The loc Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190116T162410_20190116T162804_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.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status	CS OFFL SIR GOPM 2 20190116T144351 20190116T144905 C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190116T154243_20190116T1613_C001  CS_OFFL_SIR_GOPM_2_20190116T161929_20190116T162351_C001  CS_OFFL_SIR_GOPM_2_20190116T162410_20190116T162804_C001  CS_OFFL_SIR_GOPM_2_20190116T163156_20190116T162804_C001  CS_OFFL_SIR_GOPM_2_20190116T163156_20190116T170627_C001  CS_OFFL_SIR_GOPM_2_20190116T170751_20190116T170627_C001  CS_OFFL_SIR_GOPM_2_20190116T170751_20190116T17039_C001  CS_OFFL_SIR_GOPM_2_20190116T170751_20190116T17039_C001  CS_OFFL_SIR_GOPM_2_20190116T172613_20190116T173331_C001  CS_OFFL_SIR_GOPM_2_20190116T173312_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T173312_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T182843_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T182843_20190116T182650_C001  CS_OFFL_SIR_GOPM_2_20190116T182843_20190116T182650_C001  COEAN Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The loe Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190116T161929_20190116T162351_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.  CS_OFFL_SIR_GOPM_2_20190116T163156_20190116T170627_C001  CS_OFFL_SIR_GOPM_2_20190116T170751_20190116T171039_C001  CS_OFFL_SIR_GOPM_2_20190116T172613_20190116T171039_C001  CS_OFFL_SIR_GOPM_2_20190116T172613_20190116T173331_C001  CS_OFFL_SIR_GOPM_2_20190116T173812_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T173812_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T183843_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T183843_20190116T182655_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190116T162410_20190116T162804_C001  Ice Range Averaging Status  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190116T172613_20190116T173331_C001  CS_OFFL_SIR_GOPM_2_20190116T172613_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T173812_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T183843_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T183843_20190116T182639_C001  CS_OFFL_SIR_GOPM_2_20190116T183843_20190116T182639_C001  CCS_OFFL_SIR_GOPM_2_20190116T183843_20190116T182639_C001  CCS_OFFL_SIR_GOPM_2_20190116			
CS_OFFL_SIR_GOPM_2_20190116T170627_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190116T172613_20190116T173331_C001  CS_OFFL_SIR_GOPM_2_20190116T172613_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T173812_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.			
CS_OFFL_SIR_GOPM_2_20190116T170751_20190116T171039_C001  Ice Range Averaging Status  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20190116T173812_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T182843_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T182843_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T182843_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T182843_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T182843_20190116T182629_C001  CCS_OFFL_SIR_GOPM_2_20190116T182843_20190116T182629_C001			
CS_OFFL_SIR_GOPM_2_20190116T172613_20190116T173331_C001  CS_OFFL_SIR_GOPM_2_20190116T172613_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T18319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T18319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T18319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T183843_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T182843_20190116T182629_C001			
CS_OFFL_SIR_GOPM_2_20190116T172613_20190116T175549_C001  CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T182843_20190116T182629_C001			records.
CS_OFFL_SIR_GOPM_2_20190116T18312_20190116T18249_C001  CS_OFFL_SIR_GOPM_2_20190116T1821319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T182843_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T182843_20190116T182629_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.			records.
CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T182843_20190116T182629_C001  CS_OFFL_SIR_GOPM_2_20190116T182843_20190116T184055_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.			records.
CS_OFFL_SIR_GOPM_2_201901161161319_201901161162629_C001  CS_OFFL_SIR_GOPM_2_201901161161382843_201901161182629_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more		0 0	records.
CS OFFE SIR GOPM 2 201901161182843 201901161184055 CUUT — TOCEAR RANGE AVERAGING STATUS			records.
	CS_OFFL_SIR_GOPM_2_20190116T182843_20190116T184055_C001	Ocean Range Averaging Status	

CS_OFFL_SIR_GOPM_2_20190116T184401_20190116T184447_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T190807_20190116T191831_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T192011_20190116T193433_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T193658_20190116T194200_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T194207_20190116T194218_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T195753_20190116T200243_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T200908_20190116T201221_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T201344_20190116T202055_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T205233_20190116T211401_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T212734_20190116T215613_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T222812_20190116T225329_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T225505_20190116T230030_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T230037_20190116T230402_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T230728_20190116T231832_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T232410_20190116T234003_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190116T113029_20190116T113036_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190116T122110_20190116T122510_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190116T170741_20190116T170751_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190116T004357_20190116T004521_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190116T040034_20190116T041520_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190116T051405_20190116T051846_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190116T140359_20190116T140438_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190116T154120_20190116T154243_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190116T170628_20190116T170646_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

### 5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20190115T235843_20190116T000925_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_20190116T001501_20190116T003250_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_20190116T004522_20190116T004615_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_20190116T012123_20190116T012410_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_20190116T012612_20190116T013143_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T013742_20190116T021108_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_20190116T022448_20190116T022604_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_20190116T024408_20190116T030325_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_20190116T030531_20190116T031039_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T031627_20190116T035022_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_20190116T041520_20190116T041957_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_20190116T042036_20190116T043813_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_20190116T045634_20190116T051122_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_20190116T051125_20190116T051405_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_20190116T051846_20190116T052541_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_20190116T054555_20190116T060320_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_20190116T060501_20190116T061910_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_20190116T062650_20190116T062853_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T062953_20190116T063355_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20190116T063543_20190116T065112_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190116T065313_20190116T070237_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 20190116T073103 20190116T074201 C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190116T074744_20190116T075525_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_20190116T075709_20190116T080145_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20190116T080451_20190116T081257_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T081518_20190116T083034_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_20190116T090710_20190116T094100_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_20190116T094333_20190116T094538_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T094611_20190116T095139_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T095418_20190116T101928_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_20190116T105058_20190116T110241_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_20190116T110819_20190116T111858_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190116T112253_20190116T112355_C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190116T112541_20190116T113029_C001	Ice Backscatter Averaging Status	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_20190116T113036_20190116T113140_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_20190116T113318_20190116T120106_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_20190116T122511_20190116T125823_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20190116T130449_20190116T131019_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T131216_20190116T131808_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_20190116T134912_20190116T135115_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_20190116T140439_20190116T143806_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_20190116T144351_20190116T144905_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T145112_20190116T151046_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_20190116T154243_20190116T161613_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190116T161929_20190116T162351_C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190116T162410_20190116T162804_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20190116T163156 20190116T170627 C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190116T172613_20190116T173331_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_20190116T173812_20190116T175549_C001	Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190116T175732_20190116T180249_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190116T181319_20190116T182629_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_20190116T182843_20190116T184055_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_20190116T184401_20190116T184447_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_20190116T190807_20190116T191831_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_20190116T192011_20190116T193433_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_20190116T193658_20190116T194200_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T195753_20190116T200243_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190116T200908_20190116T201221_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_20190116T201344_20190116T202055_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190116T205233_20190116T211401_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_20190116T212734_20190116T215613_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_20190116T222812_20190116T225329_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20190116T225505_20190116T230030_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190116T230728_20190116T231832_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_20190116T232410_20190116T234003_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_20190116T113029_20190116T113036_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190116T122110_20190116T122510_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_20190116T170741_20190116T170751_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190116T004357_20190116T004521_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPR_2_20190116T040034_20190116T041520_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records.

CS OFFL SIR GOPR 2 20190116T051405 20190116T051846 C001		The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records.
CS OFFL SIR GOPR 2 20190116T140359 20190116T140438 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
C3_OFFL_3IK_GOFK_Z_201901101140339_201901101140436_C001	Backscatter Averaging Status	more records.
CC OFFI CID CODD 2 20400446T4E4420 20400446T4E4242 C004	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPR_2_20190116T154120_20190116T154243_C001	Backscatter Averaging Status	more records.
CC OFFI CIP COPP 2 20400446T470620 20400446T470646 C004	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPR_2_20190116T170628_20190116T170646_C001	Backscatter Averaging Status	more records.
	,	'

### 5.8 L2 Ocean Retracking Quality Check

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

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

Number of products with errors:

53

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

### 6.1 P2P Product Format Check

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:

0

#### 6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

Λ

### 6.4 P2P Auxiliary Correction Error Check

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

Number of products with errors:

0

### 6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

0

## 6.6 P2P Range Measurement Check

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

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

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

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

Number of products with errors:

29

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20190115T235133_20190116T004113_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T004113_20190116T013047_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T013047_20190116T022026_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T022026_20190116T031000_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_220190116T031000_20190116T035940_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T035940_20190116T044914_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_220190116T044914_20190116T053853_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_220190116T053853_20190116T062827_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T062827_20190116T071807_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_220190116T071807_20190116T080741_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T080741_20190116T085721_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_220190116T085721_20190116T094655_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_220190116T094655_20190116T103634_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_220190116T103634_20190116T112608_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T112608_20190116T121548_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_220190116T121548_20190116T130522_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_220190116T130522_20190116T135501_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_220190116T135501_20190116T144435_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_220190116T144435_20190116T153415_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T153415_20190116T162349_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_220190116T162349_20190116T171328_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_220190116T171328_20190116T180302_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_220190116T180302_20190116T185242_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_220190116T185242_20190116T194216_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_220190116T194216_20190116T203156_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_220190116T203156_20190116T212130_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_220190116T212130_20190116T221109_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T221109_20190116T230043_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_20190116T230043_20190116T235023_C001	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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20190115T235133_20190116T004113_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_20190116T004113_20190116T013047_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_220190116T013047_20190116T022026_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_220190116T022026_20190116T031000_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_220190116T031000_20190116T035940_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_20190116T035940_20190116T044914_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_20190116T044914_20190116T053853_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_20190116T053853_20190116T062827_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_20190116T062827_20190116T071807_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_20190116T071807_20190116T080741_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_20190116T080741_20190116T085721_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_20190116T085721_20190116T094655_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_20190116T094655_20190116T103634_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_20190116T103634_20190116T112608_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_20190116T112608_20190116T121548_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_20190116T121548_20190116T130522_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_20190116T130522_20190116T135501_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_20190116T135501_20190116T144435_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_20190116T144435_20190116T153415_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_20190116T153415_20190116T162349_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_20190116T162349_20190116T171328_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_20190116T171328_20190116T180302_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_20190116T180302_20190116T185242_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_220190116T185242_20190116T194216_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_20190116T194216_20190116T203156_C001	Backscaffer Averaging Status Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T203156_20190116T212130_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_20190116T212130_20190116T221109_C001	0 0	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T221109_20190116T230043_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_20190116T230043_20190116T235023_C001	Backscatter Averaging Status Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

# 6.8 P2P Ocean Retracking Quality Check

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

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

Number of products with errors:

28

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20190116T004113_20190116T013047_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T013047_20190116T022026_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T022026_20190116T031000_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T031000_20190116T035940_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T035940_20190116T044914_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T044914_20190116T053853_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T053853_20190116T062827_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T062827_20190116T071807_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T071807_20190116T080741_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T085721_20190116T094655_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T094655_20190116T103634_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T103634_20190116T112608_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T112608_20190116T121548_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T121548_20190116T130522_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T130522_20190116T135501_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T135501_20190116T144435_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T144435_20190116T153415_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T153415_20190116T162349_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T162349_20190116T171328_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T171328_20190116T180302_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T180302_20190116T185242_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T185242_20190116T194216_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T194216_20190116T203156_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T203156_20190116T212130_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T212130_20190116T221109_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T221109_20190116T230043_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190116T230043_20190116T235023_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190116T235023_20190117T003957_C002	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.