



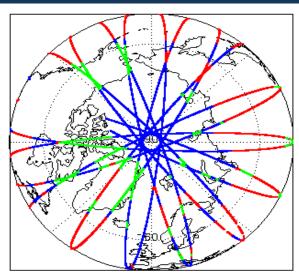
# 1. Overview

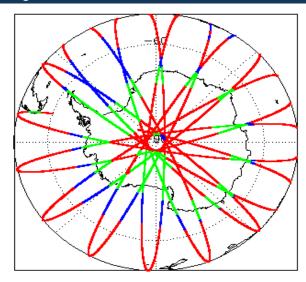
Report Production:	26-Feb-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

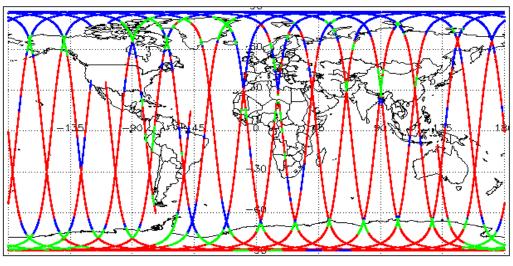
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	See Section 5.2	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.6	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

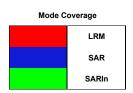
Mission / Instrument News		
24-Jan-2018	None	
25-Jan-2018	None	
26-Jan-2018	Nothing planned	

# 2. Global Coverage









# 3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

# 4. GOP Level 1B Data Quality Check

# 4.1 L1B Product Format Check

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

Number of products with errors:

0

## 4.2 L1B Product Header Analysis

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

### 4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

#### 4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

## 4.5 L1B Measurement Confidence Data Check

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

Number of products with errors:

#### 4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

16

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180125T014715_20180125T020201_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180125T091421_20180125T091852_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180125T142513_20180125T142537_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180125T002056_20180125T002706_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180125T025919_20180125T030416_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180125T043212_20180125T043251_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180125T093005_20180125T093303_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180125T111102_20180125T111202_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180125T124901_20180125T125116_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180125T215920_20180125T220438_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180125T225016_20180125T225429_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180125T234330_20180125T234503_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180125T011543_20180125T011726_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180125T012919_20180125T013036_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180125T060229_20180125T060427_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180125T211438_20180125T212204_C001	Loss of Echo	The tracking echo is missing for one or more records

# 5. GOP Level 2 Data Quality Check

## 5.1 L2 Product Format Check

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

Number of products with errors: 0

### 5.2 L2 Product Header Analysis

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

Number of products with errors:

Product	Test Failed
CS_OFFL_SIR_GOPR_2_20180125T112445_20180125T112450_C001	Percentage of processing errors detected greater than minimum acceptable threshold.

## 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

## 5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

# 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors: 0

## 5.6 L2 Range Measurement Check

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

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

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

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

Description   Company	Product	Test Failed	Description
Description			The Ocean Range Averaging Status Flag has been set for one or more
Description of the Company of the	CS_OFFL_SIR_GOPM_2_20180125T000525_20180125T002014_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Comparison Comparison   Comparison Compari	CS_OFFL_SIR_GOPM_2_20180125T003001_20180125T003419_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
Dec. Comp. 19. Comp. 2016 (2016) (201			The Ocean Range Averaging Status Flag has been set for one or more
COUNT_SE_COME_20010357001112_cross126112032_cross  COUNT_SE_COME_20010357001112_cross1261120332_cross  COUNT_SE_COME_20010357001112_cross1261120332_cross  COUNT_SE_COME_20010357001112_cross1261120332_cross  COUNT_SE_COME_20010357001112_cross1261120332_cross  COUNT_SE_COME_2001035700112_cross1261120332_cross  COUNT_SE_COME_2001035700112032_cross1261120332_cross  COUNT_SE_COME_2001035700112032_cross1261120332_cross  COUNT_SE_COME_2001035700112032_cross1261120332_cross  COUNT_SE_COME_2001035700112032_cross1261120332_cross  COUNT_SE_COME_2001035700112032_cross12611120332_cross  C			The Ocean Range Averaging Status Flag has been set for one or more
Description of the protection			
COLOREL SEL COMP. 2 2010/2010/00047 2 2010/2010/2010 2010 2010/2010/2010 2010/2010/			
CQ.OFE_SR_QOME_2019015719157_0019015700002_0019  CQ.OFE_SR_QOME_2019015719172_20190157019172_0019  CQ.OFE_SR_QOME_2019015719172_2019015019172_0019  CQ.OFE_SR_QOME_2019015719172_20190150190190005_0019  CQ.OFE_SR_QOME_2019015719172_20190157019005_0019  CQ.OFE_SR_QOME_2019015719172_20190157019005_0019  CQ.OFE_SR_QOME_20190157190157190_0019005_0019  CQ.OFE_SR_QOME_20190157190157190_0019005_0019  CQ.OFE_SR_QOME_20190157190157190_0019005_0019  CQ.OFE_SR_QOME_20190157190157190_0019005_0019  CQ.OFE_SR_QOME_20190157190157190_0019005_0019  CQ.OFE_SR_QOME_20190157190057190_0019005_0019  CQ.OFE_SR_QOME_2019015719005719000_0019005_0019  CQ.OFE_SR_QOME_2019015719005719000_0019005_0019  CQ.OFE_SR_QOME_20190157190005_0019005_0019  CQ.OFE_SR_QOME_20190157190005_00190050001900000001  CQ.OFE_SR_QOME_20190157190005_00190050001_001900000001  CQ.OFE_SR_QOME_20190157190000000000000000000000000000000			
COUNTLINE, COUNTLINE, COUNTLINES			
Comp. Sinc. Oriel. 2. 2019/03/2019/2019/2019/2019/2019/2019/2019/2019			records.
Comp. Sill. ComP. J. 2010/12/10/20/20/20/20/20/20/20/20/20/20/20/20/20			records.
Committee Commit			records.
Section Flags (Sential 2, 2018) (2518) 22 (2518) (2	CS_OFFL_SIR_GOPM_2_20180125T034359_20180125T034556_C001	Ice Range Averaging Status	records.
Copper_Sin_Copput_2 point participations (a) control representation of the Copput Range Averaging Status File has been set for one or more records.  Copper_Sin_Copput_2 point participations (a) copput Range Averaging Status File has been set for one or more records.  Copper_Sin_Copput_2 point participations (a) point participation (a) copper_Sin_Copput_2 point participations (b) point participation (a) copput Range Averaging Status File has been set for one or more records.  Copper_Sin_Copput_2 point participation (a) point participation (a) copput Range Averaging Status File has been set for one or more records.  Copper_Sin_Copput_2 point participation (a) point participation (a) copput Range Averaging Status File has been set for one or more records.  Copper_Sin_Copput_2 point participation (a) point particip	CS_OFFL_SIR_GOPM_2_20180125T035419_20180125T042023_C001	Ocean Range Averaging Status	records.
Seg. OFF. SR. GOPM 2. 201601257003525 201601257003525 C001  Cell Pills Pills College Averaging Status Flag has been set for one or more correct for the college Averaging Status Flag has been set for one or more correct. Seg. OFF. SR. GOPM 2. 201601257003525 201601257003520 C001  Cell Pills Pil	CS_OFFL_SIR_GOPM_2_20180125T045310_20180125T050306_C001	Ocean Range Averaging Status	records.
Co. OPFL_SIR_COPPL_201801257083333_01801257083282_C001  Co. OPFL_SIR_COPPL_201801257083333_01801257083032_C001  Co. OPFL_SIR_COPPL_201801257083333_01801257083032_C001  Co. OPFL_SIR_COPPL_20180125708341_20180125708303_C001  Co. OPFL_SIR_COPPL_201801257083412_C001303_C001  Co. OPFL_SIR_COPPL_201801257083412_C00180125706182_C001  Co. OPFL_SIR_COPPL_201801257083412_C00180125706182_C001  Co. OPFL_SIR_COPPL_201801257083412_C00180125710503_C001  Co. OPFL_SIR_COPPL_201801257083412_C00180125710503_C001  Co. OPFL_SIR_COPPL_201801257105312_C00180125710503_C001  Co. OPFL_SIR_COPPL_201801257105312_C00180125710503_C001  Co. OPFL_SIR_COPPL_201801257105312_C00180125710503_C001  Co. OPFL_SIR_COPPL_20180125710532_C00180125710503_C001  Co. OPFL_SIR_COPPL_201801257105327_C00180125710503_C001  Co. OPFL_SIR_COPPL_201801257105327_C00180125710503_C001  Co. OPFL_SIR_COPPL_201801257105327_C00180125710503_C001  Co. OPFL_SIR_COPPL_20180125710503_C00180125710503_C001  Co. OPFL_SIR_COPPL_20180125710503_C00180125710503_C001  Co. OPFL_SIR_COPPL_20180125710503_C00180125710503_C001  Co. OPFL_SIR_COPPL_20180125710503_C00180125710503_C001  Co. OPFL_SIR_COPPL_20180125710503_C00180125710503_C001  Co. OPFL_SIR_COPPL_20180125710503_C0	CS_OFFL_SIR_GOPM_2_20180125T050844_20180125T051915_C001	Ocean Range Averaging Status	records.
Commonstration	CS_OFFL_SIR_GOPM_2_20180125T052605_20180125T053202_C001	Ice Range Averaging Status	records.
SCOPPL_SIR_COPPL_201801251008042_01801025100810_0001 Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Averaging Status File has been set for one or more cooper. The Cooper Range Aver	CS_OFFL_SIR_GOPM_2_20180125T053335_20180125T060228_C001	Ocean Range Averaging Status	records.
Sec. OFFL. SR. COPM 2 20180125109012 (20180125100103 (2018012510103 (20180125100103 (20180125100103 (20180125100103 (201801251003 (201801251003 (20	CS_OFFL_SIR_GOPM_2_20180125T060954_20180125T061151_C001	Ocean Range Averaging Status	records.
CS_OFFL_SR_GOPM_2_20180125T107132_20180125T107133_C001  CS_OFFL_SR_GOPM_2_20180125T0710422_20180125T07530_C001  CS_OFFL_SR_GOPM_2_20180125T080144_20180125T08134_C001  CS_OFFL_SR_GOPM_2_20180125T080144_20180125T08134_C001  CS_OFFL_SR_GOPM_2_20180125T080144_20180125T08134_C001  CS_OFFL_SR_GOPM_2_20180125T080144_20180125T08482_001  CS_OFFL_SR_GOPM_2_20180125T080144_20180125T08482_001  CS_OFFL_SR_GOPM_2_20180125T080144_20180125T08482_001  CS_OFFL_SR_GOPM_2_20180125T080139_20180125T08482_001  CS_OFFL_SR_GOPM_2_20180125T080139_20180125T09013_C001  CS_OFFL_SR_GOPM_2_20180125T080139_20180125T09013_C001  CS_OFFL_SR_GOPM_2_20180125T080139_20180125T09120_C001  CS_OFFL_SR_GOPM_2_20180125T080139_20180125T09120_C001  CS_OFFL_SR_GOPM_2_20180125T080139_20180125T09103_C001  CS_OFFL_SR_GOPM_2_20180125T080139_20180125T109120_C001  CS_OFFL_SR_GOPM_2_20180125T1080139_20180125T10910_C001  CS_OFFL_SR_GOPM_2_20180125T1080139_20180125T10910_C001  CS_OFFL_SR_GOPM_2_20180125T108013_20180125T10910_C001  CS_OFFL_SR_GOPM_2_20180125T108013_20180125T10910_C001  CS_OFFL_SR_GOPM_2_20180125T108013_20180125T10910_C001  CS_OFFL_SR_GOPM_2_20180125T108013_20180125T10910_C001  CS_OFFL_SR_GOPM_2_20180125T108013_20180125T10910_C001  CS_OFFL_SR_GOPM_2_20180125T11280_20180125T10910_C001  CS_OFFL_SR_GOPM_2_20180125T11280_20180125T10910_C001  CS_OFFL_SR_GOPM_2_20180125T11280_20180125T110910_C001  CS_OFFL_SR_GOPM_2_20180125T11280_20180125T110910_C001  CS_OFFL_SR_GOPM_2_20180125T11280_20180125T110910_C001  CS_OFFL_SR_GOPM_2_20180125T11280_20180125T110910_C001  CS_OFFL_SR_GOPM_2_20180125T110910_C001  CS_OFFL_SR_GOPM_2_20180125T110910_C001201910100110010010010010010000000000	CS_OFFL_SIR_GOPM_2_20180125T062451_20180125T065901_C001	Ocean Range Averaging Status	
Co. OFFL_SR_GOPM_2_201801257104822_20180125710593_C010  CS_OFFL_SR_GOPM_2_20180125706424_201801257064134_C001  CS_OFFL_SR_GOPM_2_20180125706422_201801257064312_C001  CS_OFFL_SR_GOPM_2_20180125706422_20180125706427_C001  CS_OFFL_SR_GOPM_2_20180125706422_20180125706427_C001  CS_OFFL_SR_GOPM_2_20180125706422_20180125706427_C001  CS_OFFL_SR_GOPM_2_20180125706422_20180125706427_C001  CS_OFFL_SR_GOPM_2_20180125706421_20180125706427_C001  CS_OFFL_SR_GOPM_2_20180125706421_20180125706420_C001  CS_OFFL_SR_GOPM_2_20180125706421_20180125706420_C001  CS_OFFL_SR_GOPM_2_201801257106431_201801257106420_C001  CS_OFFL_SR_GOPM_2_201801257106431_2018012571068_C001  CS_OFFL_SR_GOPM_2_201801257106431_2018012571068_C001  CS_OFFL_SR_GOPM_2_201801257106431_2018012571068_C001  CS_OFFL_SR_GOPM_2_201801257106431_2018012571068_C001  CS_OFFL_SR_GOPM_2_201801257106431_2018012571068_C001  CS_OFFL_SR_GOPM_2_201801257106431_2018012571068_C001  CS_OFFL_SR_GOPM_2_201801257106422_018012571068_C001  CS_OFFL_SR_GOPM_2_20180125710642_018012571068_C001  CS_OFFL_SR_GOPM_2_20180125711650_20180125711068_C001  CS_OFFL_SR_GOPM_2_20180125711650_20180125711068_C001  CS_OFFL_SR_GOPM_2_20180125711650_20180125711068_C001  CS_OFFL_SR_GOPM_2_20180125711650_0180125711068_C001  CS_OFFL_SR_GOPM_2_20180125711650_018012571068_C001  CS_OFFL_SR_GOPM_2_20180125711650_018012571068_C001  CS_OFFL_SR_GOPM_2_2018012571068_018012571068_C001  CS_OFFL_SR_GOPM_2_2018012571068_018012571068_C001  CS_OFFL_SR_GOPM_2_2018012571068_018012571068_C001  CS_OFFL_SR_GOPM_2_2018012571068_018012571068_C001  CS_OFFL_SR_GOPM_2	CS_OFFL_SIR_GOPM_2_20180125T070512_20180125T071033_C001	Ice Range Averaging Status	
CS_OFFL_SR_GOPM_2_201801257108402_20180125708388_CO01  CS_OFFL_SR_GOPM_2_201801257086902_20180125708388_CO01  CS_OFFL_SR_GOPM_2_201801257086913_20180125708388_CO01  CS_OFFL_SR_GOPM_2_201801257086913_201801257080382_CO01  CS_OFFL_SR_GOPM_2_201801257086913_201801257080382_CO01  CS_OFFL_SR_GOPM_2_201801257086913_201801257080382_CO01  CS_OFFL_SR_GOPM_2_20180125708613_201801257080382_CO01  CS_OFFL_SR_GOPM_2_20180125708139_201801257080382_CO01  CS_OFFL_SR_GOPM_2_20180125708139_201801257080382_CO01  CS_OFFL_SR_GOPM_2_201801257091327_201801257109182_CO01  CS_OFFL_SR_GOPM_2_20180125710312_201801257109182_CO01  CS_OFFL_SR_GOPM_2_20180125710312_201801257109182_CO01  CS_OFFL_SR_GOPM_2_201801257110312_CO01  CS_OFFL_SR_GOPM_2_201801257110312_CO01  CS_OFFL_SR_GOPM_2_201801257110312_CO01  CS_OFFL_SR_GOPM_2_201801257110312_CO01  CS_OFFL_SR_GOPM_2_201801257110312_CO01  CS_OFFL_SR_GOPM_2_201801257110322_CO01  CS_OFFL_SR_GOPM_2_201801257110323_C01801257110918_CO01  CS_OFFL_SR_GOPM_2_201801257110322_CO01  CS_OFFL_SR_GOPM_2_201801257110320_CO01  CS_OFFL_SR_GOPM_2_201801257110322_CO01  CS_OFFL_SR_GOPM_2_201801257110322_CO01  CS_OFFL_SR_GOPM_2_201801257110322_CO01  CS_OFFL_SR_GOPM_2_201801257110322_CO01  CS_OFFL_SR_GOPM_2_201801257110322_CO01  CS_OFFL_SR_GOPM_2_201801257110322_C0180125711088_CO01  CS_OFFL_SR_GOPM_2_201801257110302_C01801257110303_C001  CS_OFFL_SR_GOPM_2_201801257113002_C01801257110303_C001  CS_OFFL_SR_GOPM_2_201801257113002_C01801257110303_C001  CS_OFFL_SR_GOPM_2_201801257113002_C01801257110303_C001  CS_OFFL_SR_GOPM_2_201801257113002_C01801257110303_C001  CS_OFFL_SR_GOPM_2_201801257113002_C0180125710303_C001  CS_OFFL_SR_GOPM_2_201801257113003_C0180125710303_C001  CS_OFFL_SR_GOPM_2_201801257113003_C0180125710303_C001  CS_OFFL_SR_GOPM_2_201801257113003_C0180125710303_C0180125710303_C0180125710303_C0180125710303_C0180125710303_C0180125710303_C0180125710303_C0180125710303_C0180125710303_C0180125710303_C0180125710303_C0180125710303_C0180125710303_C0180125710303_C0180125710303_C0180125710303_C0180125710303_C0180125710303_C0	CS_OFFL_SIR_GOPM_2_20180125T071232_20180125T071630_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180125T005082_20180125T0050838_C0001  CS_OFFL_SIR_GOPM_2_20180125T005139_20180125T0050043_C0001  CS_OFFL_SIR_GOPM_2_20180125T005139_20180125T0050043_C0001  CS_OFFL_SIR_GOPM_2_20180125T006182_D0180125T001802_C0001  CS_OFFL_SIR_GOPM_2_20180125T006182_D0180125T001802_C0001  CS_OFFL_SIR_GOPM_2_20180125T006182_D0180125T001802_C0001  CS_OFFL_SIR_GOPM_2_20180125T006182_D0180125T001802_C0001  CS_OFFL_SIR_GOPM_2_20180125T006182_D0180125T001703_C0001  CS_OFFL_SIR_GOPM_2_20180125T006182_D0180125T1001703_C0001  CS_OFFL_SIR_GOPM_2_20180125T006182_D0180125T1001703_C0001  CS_OFFL_SIR_GOPM_2_20180125T100182_D0180125T100180_C0001  CS_OFFL_SIR_GOPM_2_20180125T100182_D0180125T100180_C0001  CS_OFFL_SIR_GOPM_2_20180125T100182_D0180125T100180_C0001  CS_OFFL_SIR_GOPM_2_20180125T100182_D0180125T100180_C0001  CS_OFFL_SIR_GOPM_2_20180125T100180_D0180_C0001  CS_OFFL_SIR_GOPM_2_20180125T100180_D0180_C0001  CS_OFFL_SIR_GOPM_2_20180125T100180_D0180_C0001  CS_OFFL_SIR_GOPM_2_20180125T100180_D0180_C0001  CS_OFFL_SIR_GOPM_2_20180125T100180_D0180_C0001  CS_OFFL_SIR_GOPM_2_20180125T100180_D0180_C0001  CS_OFFL_SIR_GOPM_2_20180125T100180_D0180_C0001  CS_OFFL_SIR_GOPM_2_20180125T1000125T100180_C0001  CS_OFFL_SIR_GOPM_2_20180125T1000125T1000180_C0001  CS_OFFL_SIR_GOPM_2_20180125T1000125T1000125T100180_C0001  CS_OFFL_SIR_GOPM_2_20180125T10000125T100015T1000125T100015T100	CS_OFFL_SIR_GOPM_2_20180125T074822_20180125T075035_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180125T081600_20180125T083818_C001  Cs_OFFL_SIR_GOPM_2_20180125T08152_20180125T09452_C001  Cs_OFFL_SIR_GOPM_2_20180125T094521_20180125T09452_C001  Cs_OFFL_SIR_GOPM_2_20180125T094519_20180125T09452_C001  Cs_OFFL_SIR_GOPM_2_20180125T094519_20180125T09452_C001  Cs_OFFL_SIR_GOPM_2_20180125T094519_20180125T09452_C001  Cs_OFFL_SIR_GOPM_2_20180125T094519_20180125T09452_C001  Cs_OFFL_SIR_GOPM_2_20180125T094519_20180125T09452_C001  Cs_OFFL_SIR_GOPM_2_20180125T094519_20180125T09450_C001  Cs_OFFL_SIR_GOPM_2_20180125T094519_20180125T09450_C001  Cs_OFFL_SIR_GOPM_2_20180125T09512_00510025T00510000  Cs_OFFL_SIR_GOPM_2_20180125T09512_005100000  Cs_OFFL_SIR_GOPM_2_20180125T1950512_0051000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20180125T080444_20180125T081314_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180125108012_0180125109125_00010_00ean Range Averaging Status Find Averaging Status Find Pass been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averaging Status Find Pass Been set for one or more records.  The Ocean Range Averagin	CS_OFFL_SIR_GOPM_2_20180125T081600_20180125T083818_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180125T000618_20180125T09122_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Fl	CS_OFFL_SIR_GOPM_2_20180125T084521_20180125T084927_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180125T090419_20180125T103227_20180125T103220_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180125T094319_20180125T10703_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_20180125T103217_20180125T103220_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180125T112532_20180125T10311_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	CS_OFFL_SIR_GOPM_2_20180125T085139_20180125T090431_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180125T091421_20180125T10103_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more except.  S_OFFL_SIR_GOPM_2_20180125T103217_20180125T103220_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more except.  S_OFFL_SIR_GOPM_2_20180125T103512_20180125T110352_0010  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more except.  S_OFFL_SIR_GOPM_2_20180125T112532_20180125T110514_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more except.  S_OFFL_SIR_GOPM_2_20180125T113740_20180125T110514_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more except.  S_OFFL_SIR_GOPM_2_20180125T113740_20180125T1100511_C001  CR_OFFL_SIR_GOPM_2_20180125T113034_20180125T1100511_C001  CR_OFFL_SIR_GOPM_2_20180125T112034_20180125T120518_D001  CR_OFFL_SIR_GOPM_2_20180125T120342_00180125T120518_D001  CR_OFFL_SIR_GOPM_2_20180125T120342_00180125T120335_C001  Ocean Range Averaging Status  CR_OFFL_SIR_GOPM_2_20180125T1120540_2001025T120335_C001  Ocean Range Averaging Status  CR_OFFL_SIR_GOPM_2_20180125T1120540_2001025T130305_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more except.  The Ocean Range Averaging Status Flag has been set for one or more except.  The Ocean Range Averaging Status Flag has been set for one or more except.  The Ocean Range Averaging Status Flag has been set for one or more except.  The Ocean Range Averaging Status Flag has been set for one or more except.  The Ocean Range Averaging Status Flag has been set for one or more except.  The Ocean Range Averaging Status Flag has been set for one or more except.  The Ocean Range Averaging Status Flag has been set for one or more except.  The Ocean Range Averaging Status Flag has been set for one or more except.  The Ocean Range Averaging Status Flag has been set for one or	CS_OFFL_SIR_GOPM_2_20180125T090618_20180125T091220_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180125T104319_20180125T100320_C001  CS_OFFL_SIR_GOPM_2_20180125T103217_20180125T100320_C001  CS_OFFL_SIR_GOPM_2_20180125T103512_20180125T110618_C001  CS_OFFL_SIR_GOPM_2_20180125T103512_20180125T110618_C001  CS_OFFL_SIR_GOPM_2_20180125T112532_20180125T110618_C001  CS_OFFL_SIR_GOPM_2_20180125T112532_20180125T113355_C001  CS_OFFL_SIR_GOPM_2_20180125T113355_C001  CS_OFFL_SIR_GOPM_2_20180125T113305_C001  CS_OFFL_SIR_GOPM_2_20180125T113305_C001  CS_OFFL_SIR_GOPM_2_20180125T113305_C001  CS_OFFL_SIR_GOPM_2_20180125T113001_C001  CS_OFFL_SIR_GOPM_2_20180125T112582_20180125T120311_C001  CS_OFFL_SIR_GOPM_2_20180125T1251258_20180125T120518_C001  CS_OFFL_SIR_GOPM_2_20180125T120518_20180125T120518_C001  CS_OFFL_SIR_GOPM_2_20180125T120518_20180125T120518_C001  CS_OFFL_SIR_GOPM_2_20180125T120518_20180125T1200518_C001  CS_OFFL_SIR_GOPM_2_20180125T120518_20180125T1200518_C001  CS_OFFL_SIR_GOPM_2_20180125T120518_20180125T131726_C001  CS_OFFL_SIR_GOPM_2_20180125T130058_20180125T131726_C001  CS_OFFL_SIR_GOPM_2_20180125T1313721_20180125T131726_C001  CS_OFFL_SIR_GOPM_2_20180125T1313721_20180125T134404_C001  CS_OFFL_SIR_GOPM_2_20180125T133721_20180125T134404_C001  CS_OFFL_SIR_GOPM_2_20180125T133721_20180125T134404_C001  CS_OFFL_SIR_GOPM_2_20180125T133721_20180125T134404_C001  CS_OFFL_SIR_GOPM_2_20180125T134505T_20180125T134505_C010  CS_OFFL_SIR_GOPM_2_20180125T134505T_20180125T1345001  CS_OFFL_SIR_GOPM_2_20180125T134505T_20180125T1345001  CS_OFFL_SIR_GOPM_2_20180125T134505T_20180125T1345001  CS_OFFL_SIR_GOPM_2_20180125T134505T_20180125T1345001  CS_OFFL_SIR_GOPM_2_20180125T134505T_20180125T135253_C0180125T135536_C0180125T155546_C0180125T155546_C0180125T155546_C0180125T155546_C0180125T15	CS_OFFL_SIR_GOPM_2_20180125T091421_20180125T091852_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180125T10321_20180125T110322_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180125T113355_20180125T110618_C001  Ocean Range Averaging Status  Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180125T113355_20180125T113355_C001  Ocean Range Averaging Status  Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180125T113302_20180125T1120311_C001  CS_OFFL_SIR_GOPM_2_20180125T103048_20180125T120311_C001  CS_OFFL_SIR_GOPM_2_20180125T103048_20180125T120315_C001  Ocean Range Averaging Status  Ice Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180125T120348_20180125T120315_C001  Ocean Range Averaging Status  Ice Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180125T120348_20180125T134034_C001  Ocean Range Averaging Status  Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180125T130338_20180125T131726_C001  Ocean Range Averaging Status  Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180125T1313038_20180125T131805_C001  Ocean Range Averaging Status  Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180125T1313037_20180125T134404_C001  Ocean Range Averaging Status  Ice Range Averaging Status  Ice Codes Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180125T134507_20180125T134502_C001  Ocean Range Averaging Status  Ice Codes Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180125T134507_20180125T134502_C001  Ocean Range Averaging Status  Ice Codes Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180125T134502_20180125T134502_C001  Ocean Range Averaging Status  Ice Codes Range Averaging Status Flag has b	CS_OFFL_SIR_GOPM_2_20180125T094319_20180125T101703_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180125T103512_20180125T110515_CO001  CS_OFFL_SIR_GOPM_2_20180125T1172532_20180125T11355_CO001  CS_OFFL_SIR_GOPM_2_20180125T113740_20180125T115614_CO001  CS_OFFL_SIR_GOPM_2_20180125T113740_20180125T115614_CO001  CS_OFFL_SIR_GOPM_2_20180125T113740_20180125T115614_CO001  CS_OFFL_SIR_GOPM_2_20180125T115602_20180125T120311_CO001  CS_OFFL_SIR_GOPM_2_20180125T1120348_20180125T120314_20010  CS_OFFL_SIR_GOPM_2_20180125T1120348_20180125T120315_CO001  CS_OFFL_SIR_GOPM_2_20180125T112588_20180125T122335_CO001  CS_OFFL_SIR_GOPM_2_20180125T112588_20180125T122335_CO001  CS_OFFL_SIR_GOPM_2_20180125T130838_20180125T124234_CO001  CS_OFFL_SIR_GOPM_2_20180125T130838_20180125T13726_CO01  CS_OFFL_SIR_GOPM_2_20180125T130838_20180125T131726_CO01  CS_OFFL_SIR_GOPM_2_20180125T130838_20180125T131726_CO01  CS_OFFL_SIR_GOPM_2_20180125T130235_20180125T1313050_CO01  CS_OFFL_SIR_GOPM_2_20180125T130235_20180125T1313050_CO01  CS_OFFL_SIR_GOPM_2_20180125T130235_20180125T130305_CO01  CS_OFFL_SIR_GOPM_2_20180125T130205_20180125T130205_CO01  CS_OFFL_SIR_GOPM_2_20180125T130205_20180125T133001_CO01  CS_OFFL_SIR_GOPM_2_20180125T130205_20180125T13404_CO01  CS_OFFL_SIR_GOPM_2_20180125T133001_20180125T13404_CO01  CS_OFFL_SIR_GOPM_2_20180125T133001_20180125T13404_CO01  CS_OFFL_SIR_GOPM_2_20180125T133007_20180125T135037_CO01  CS_OFFL_SIR_GOPM_2_20180125T134056_20180125T140564_CO01  CS_OFFL_SIR_GOPM_2_20180125T134056_20180125T140564_CO01  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T135239_CO01  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T135259_CO01  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T135259_CO01  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T135259_CO01  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T135259_CO01  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T135259_CO01  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T1525546_CO01  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T1525546_CO01  CS_OFFL_SIR_GOPM_2_20180125T150546_20180125T150546_CO01  CS_OFFL_SIR_GOPM_2_20180125T150541_20180125T150546_CO01  CS_OFFL_SIR_GOPM_2_20180125T150544_CO0	CS_OFFL_SIR_GOPM_2_20180125T103217_20180125T103220_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180125T112532_20180125T11355C_COOI  CS_OFFL_SIR_GOPM_2_20180125T11374Q_20180125T115614_COOI  CS_OFFL_SIR_GOPM_2_20180125T11580Q_20180125T120311_COOI  CS_OFFL_SIR_GOPM_2_20180125T11580Q_20180125T120311_COOI  CS_OFFL_SIR_GOPM_2_20180125T12034B_20180125T120311_COOI  CS_OFFL_SIR_GOPM_2_20180125T12034B_20180125T120311_COOI  CS_OFFL_SIR_GOPM_2_20180125T12034B_20180125T12034B_COOI  CS_OFFL_SIR_GOPM_2_20180125T12125B_20180125T122335_COOI  CS_OFFL_SIR_GOPM_2_20180125T122904_20180125T122335_COOI  CS_OFFL_SIR_GOPM_2_20180125T122904_20180125T13033B_20180125T13172B_COOI  CS_OFFL_SIR_GOPM_2_20180125T13033B_20180125T13172B_COOI  CS_OFFL_SIR_GOPM_2_20180125T13033B_20180125T13172B_COOI  CS_OFFL_SIR_GOPM_2_20180125T13033B_20180125T1313507_COOI  CS_OFFL_SIR_GOPM_2_20180125T133721_20180125T13320T_COOI  CS_OFFL_SIR_GOPM_2_20180125T1333721_20180125T13323D_COOI  CS_OFFL_SIR_GOPM_2_20180125T1333721_20180125T13323D_COOI  CS_OFFL_SIR_GOPM_2_20180125T1333721_20180125T13323D_COOI  CS_OFFL_SIR_GOPM_2_20180125T13333D_20180125T13323D_COOI  CS_OFFL_SIR_GOPM_2_20180125T134301_20180125T1340404_COOI  CS_OFFL_SIR_GOPM_2_20180125T135355D_COOI  CS_OFFL_SIR_GOPM_2_20180125T135455D_20180125T134204_COOI  CS_OFFL_SIR_GOPM_2_20180125T135455D_20180125T134204_COOI  CS_OFFL_SIR_GOPM_2_20180125T135455D_20180125T13523D_COOI  CS_OFFL_SIR_GOPM_2_20180125T135455D_20180125T13423B_COOI  CS_OFFL_SIR_GOPM_2_20180125T135455D_20180125T13423B_COOI  CS_OFFL_SIR_GOPM_2_20180125T135455D_20180125T134157_COOI  CS_OFFL_SIR_GOPM_2_20180125T135455D_20180125T134157_COOI  CS_OFFL_SIR_GOPM_2_20180125T1351554B_COOI  CS_OFFL_SIR_GOPM_2_20180125T151553B_COOID  CS_OFFL_SIR_GOPM_2_20	CS_OFFL_SIR_GOPM_2_20180125T103512_20180125T110618_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180125T113740_20180125T115614_C001  CS_OFFL_SIR_GOPM_2_20180125T115802_20180125T120311_C001  CS_OFFL_SIR_GOPM_2_20180125T120318_C001  CS_OFFL_SIR_GOPM_2_20180125T121258_20180125T120518_C001  CS_OFFL_SIR_GOPM_2_20180125T121258_20180125T122335_C001  CS_OFFL_SIR_GOPM_2_20180125T121258_20180125T122335_C001  CS_OFFL_SIR_GOPM_2_20180125T121258_20180125T122335_C001  CS_OFFL_SIR_GOPM_2_20180125T122304_C0180125T122335_C001  CS_OFFL_SIR_GOPM_2_20180125T122304_C0180125T122335_C001  CS_OFFL_SIR_GOPM_2_20180125T13729_20180125T13726_C001  CS_OFFL_SIR_GOPM_2_20180125T13729_20180125T131855_C001  CS_OFFL_SIR_GOPM_2_20180125T13729_20180125T131855_C001  CS_OFFL_SIR_GOPM_2_20180125T13729_20180125T134001_C001  CS_OFFL_SIR_GOPM_2_20180125T13729_20180125T134001_C001  CS_OFFL_SIR_GOPM_2_20180125T13729_20180125T134001_C001  CS_OFFL_SIR_GOPM_2_20180125T13729_20180125T134001_C001  CS_OFFL_SIR_GOPM_2_20180125T1373721_20180125T134001_C001  CS_OFFL_SIR_GOPM_2_20180125T133721_20180125T134001_C001  CS_OFFL_SIR_GOPM_2_20180125T13505T_20180125T134001_C001  CS_OFFL_SIR_GOPM_2_20180125T13505T_20180125T134001_C001  CS_OFFL_SIR_GOPM_2_20180125T13505T_20180125T135239_C001  CS_OFFL_SIR_GOPM_2_20180125T13505T_20180125T134001_C001  CS_OFFL_SIR_GOPM_2_20180125T13505T_20180125T135239_C001  CS_OFFL_SIR_GOPM_2_20180125T135455_20180125T140524_C001  CS_OFFL_SIR_GOPM_2_20180125T135455_20180125T140524_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T140524_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T15437_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T15437_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T15435_2001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T1575546_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T157546_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T1575546_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T1575546_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T1575546_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T1576546_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T1576546_C001  CS_OFFL_SIR_GOPM_2_201801	CS_OFFL_SIR_GOPM_2_20180125T112532_20180125T113355_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180125T13502_20180125T120311_C001  Ice Range Averaging Status  Ic	CS_OFFL_SIR_GOPM_2_20180125T113740_20180125T115614_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180125T12034B_20180125T12034B_C001  CS_OFFL_SIR_GOPM_2_20180125T12125B_20180125T124034_C001  CS_OFFL_SIR_GOPM_2_20180125T122904_20180125T124034_C001  CS_OFFL_SIR_GOPM_2_20180125T13083B_20180125T131726_C001  CS_OFFL_SIR_GOPM_2_20180125T131729_20180125T131726_C001  CS_OFFL_SIR_GOPM_2_20180125T131729_20180125T131726_C001  CS_OFFL_SIR_GOPM_2_20180125T131729_20180125T131855_C001  CS_OFFL_SIR_GOPM_2_20180125T13035_20180125T131855_C001  CS_OFFL_SIR_GOPM_2_20180125T13035_20180125T131855_C001  CS_OFFL_SIR_GOPM_2_20180125T13035_20180125T131855_C001  CS_OFFL_SIR_GOPM_2_20180125T13035_20180125T134221_C001  CS_OFFL_SIR_GOPM_2_20180125T133507_20180125T134221_C001  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T134201_C001  CS_OFFL_SIR_GOPM_2_20180125T134301_20180125T13404_C001  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T135239_C001  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T1340524_C001  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T1340524_C001  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T1340524_C001  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T15140524_C001  CS_OFFL_SIR_GOPM_2_20180125T13513405_20180125T15151437_C001  CS_OFFL_SIR_GOPM_2_20180125T140566_20180125T15151437_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T15151437_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T155154_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T155154_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T155546_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T155546_C001  CS_OFFL_SIR_GOPM_2_20180125T156541_20180125T165044_C001  CS_OFFL_SIR_GOPM_2_20180125T1656541_20180125T165052_C001  CS_OFFL_SIR_GOPM_2_20180125T1656541_20180125T17058_C001  CS_OFFL_SIR_GOPM_2_20180125T1656541_20180125T17058_C001  CS_OFFL_SIR_GOPM_2_20180125T1656541_20180125T17058_C001  CS_OFFL_SIR_GOPM_2_20180125T1656541_20180125T17058_C001  CS_OFFL_SIR_GOPM_2_20180125T1656541_20180125T165054_C001  CS_OFFL_SIR_GOPM_2_20180125T1656541_20180125T165054_C001  CS_OFFL_SIR_GOPM_2_20180125T1656541_20180125T165054_C001  CS_OFFL_SIR_GOPM_2_20180125T1656541_20180125	CS OFFL SIR GOPM 2 20180125T115802 20180125T120311 C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180125T12258_20180125T124034_CO01  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging 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_20180125T132035_20180125T133507_C001  Ocean Range Averaging Status  CS_OFFL_SIR_GOPM_2_20180125T133721_20180125T134221_C001  Ice Range Averaging Status  CS_OFFL_SIR_GOPM_2_20180125T134301_20180125T134404_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180125T134301_20180125T135239_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 be	CS OFFL SIR GOPM 2 20180125T120348 20180125T120518 C001		The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180125T122904_20180125T124034_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180125T130838_20180125T131726_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has			
CS_OFFL_SIR_GOPM_2_20180125T131729_20180125T131855_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ice Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180125T135425_20180125T135239_C001  Ocean Range Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  CS_OFFL_SIR_GOPM_2_20180125T140656_20180125T1410524_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 Statu			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180125T132035_20180125T133507_C001  Ocean 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 loe 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 loe 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.  CS_OFFL_SIR_GOPM_2_20180125T13505T_20180125T135239_C001  Ocean Range Averaging Status  CS_OFFL_SIR_GOPM_2_20180125T135425_20180125T140524_C001  Ocean Range Averaging Status  CS_OFFL_SIR_GOPM_2_20180125T140656_20180125T141242_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 Rang			The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180125T133721_20180125T134221_C001  CS_OFFL_SIR_GOPM_2_20180125T134301_20180125T134404_C001  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T135239_C001  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T135239_C001  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T135239_C001  CS_OFFL_SIR_GOPM_2_20180125T135425_20180125T140524_C001  CS_OFFL_SIR_GOPM_2_20180125T140545_20180125T140524_C001  CS_OFFL_SIR_GOPM_2_20180125T140565_20180125T141242_C001  CS_OFFL_SIR_GOPM_2_20180125T145133_20180125T141242_C001  CS_OFFL_SIR_GOPM_2_20180125T145133_20180125T151437_C001  CS_OFFL_SIR_GOPM_2_20180125T151758_20180125T151437_C001  CS_OFFL_SIR_GOPM_2_20180125T1515546_C001  CS_OFFL_SIR_GOPM_2_20180125T15155545_C001  CS_OFFL_SIR_GOPM_2_20180125T15155545_C001  CS_OFFL_SIR_GOPM_2_20180125T1505541_20180125T155546_C001  CS_OFFL_SIR_GOPM_2_20180125T165800_20180125T165404_C001  CS_OFFL_SIR_GOPM_2_20180125T165841_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165640_2001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165640_2001  CS_OFFL_SIR_GOPM_2_20180125T165640_2001  CS_OFFL_SIR_GOPM_2_20180125T165640_2001  CS_OFFL_SIR_GOPM_2_20180125T165640_2001  CS_OFFL_SIR_GOPM_2_20180125T165640_2001  CS_OFFL_SIR_GOPM_2_20180125T165640_2001  CS_OFFL_SIR_GOPM_2_20180125T165640			
CS_OFFL_SIR_GOPM_2_20180125T134301_20180125T13420_C001  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T135239_C001  CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T135239_C001  CS_OFFL_SIR_GOPM_2_20180125T135425_20180125T140524_C001  CS_OFFL_SIR_GOPM_2_20180125T140656_20180125T141242_C001  CS_OFFL_SIR_GOPM_2_20180125T140656_20180125T141242_C001  CS_OFFL_SIR_GOPM_2_20180125T140656_20180125T141242_C001  CS_OFFL_SIR_GOPM_2_20180125T145133_20180125T151437_C001  CS_OFFL_SIR_GOPM_2_20180125T145133_20180125T151437_C001  CS_OFFL_SIR_GOPM_2_20180125T151758_20180125T152138_C001  CS_OFFL_SIR_GOPM_2_20180125T152752_20180125T155546_C001  CS_OFFL_SIR_GOPM_2_20180125T152752_20180125T165404_C001  CS_OFFL_SIR_GOPM_2_20180125T162800_20180125T165404_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C			records.
CS_OFFL_SIR_GOPM_2_20180125T135057_20180125T140524_C001  CS_OFFL_SIR_GOPM_2_20180125T135425_20180125T140524_C001  CS_OFFL_SIR_GOPM_2_20180125T135425_20180125T140524_C001  CS_OFFL_SIR_GOPM_2_20180125T140656_20180125T141242_C001  CS_OFFL_SIR_GOPM_2_20180125T140656_20180125T141242_C001  CS_OFFL_SIR_GOPM_2_20180125T145133_20180125T151437_C001  CS_OFFL_SIR_GOPM_2_20180125T145133_20180125T151437_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T15138_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T155546_C001  CS_OFFL_SIR_GOPM_2_20180125T15752_20180125T155546_C001  CS_OFFL_SIR_GOPM_2_20180125T162800_20180125T165404_C001  CS_OFFL_SIR_GOPM_2_20180125T162800_20180125T165404_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T16540125T170058_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T16540125T170058_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165641_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165641_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165641_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165641_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165641_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165641_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165641_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165641_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165641_20			records.
CS_OFFL_SIR_GOPM_2_20180125T135425_20180125T141242_C001  CS_OFFL_SIR_GOPM_2_20180125T140656_20180125T141242_C001  CS_OFFL_SIR_GOPM_2_20180125T140656_20180125T141242_C001  CS_OFFL_SIR_GOPM_2_20180125T145133_20180125T151437_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T152138_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T152138_C001  CS_OFFL_SIR_GOPM_2_20180125T152752_20180125T15546_C001  CS_OFFL_SIR_GOPM_2_20180125T152752_20180125T155546_C001  CS_OFFL_SIR_GOPM_2_20180125T165800_20180125T165404_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T170058_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T170058_20180125T170052_C00			records.
CS_OFFL_SIR_GOPM_2_20180125T140656_20180125T141242_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.  CS_OFFL_SIR_GOPM_2_20180125T151758_20180125T152138_C001  CS_OFFL_SIR_GOPM_2_20180125T152752_20180125T152138_C001  CS_OFFL_SIR_GOPM_2_20180125T152752_20180125T155546_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.			records.
CS_OFFL_SIR_GOPM_2_20180125T14056_20180125T151437_C001  CS_OFFL_SIR_GOPM_2_20180125T151538_20180125T151437_C001  CS_OFFL_SIR_GOPM_2_20180125T15758_20180125T152138_C001  CS_OFFL_SIR_GOPM_2_20180125T152752_20180125T152138_C001  CS_OFFL_SIR_GOPM_2_20180125T152752_20180125T155546_C001  CS_OFFL_SIR_GOPM_2_20180125T162800_20180125T165404_C001  CS_OFFL_SIR_GOPM_2_20180125T162800_20180125T165404_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T170058_20180125T170052_C001			records.
CS_OFFL_SIR_GOPM_2_20180125T151758_20180125T152138_C001  Lee Range Averaging Status  CS_OFFL_SIR_GOPM_2_20180125T151758_20180125T152138_C001  CS_OFFL_SIR_GOPM_2_20180125T152752_20180125T15546_C001  CS_OFFL_SIR_GOPM_2_20180125T162800_20180125T165404_C001  CS_OFFL_SIR_GOPM_2_20180125T162800_20180125T165404_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  Lee Range Averaging Status  CS_OFFL_SIR_GOPM_2_20180125T170058_20180125T170052_C001  Lee 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 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 loe 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.	CS_OFFL_SIR_GOPM_2_20180125T140656_20180125T141242_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180125T152752_20180125T155546_C001  CS_OFFL_SIR_GOPM_2_20180125T162800_20180125T155546_C001  CS_OFFL_SIR_GOPM_2_20180125T162800_20180125T165404_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T170058_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T170058_20180125T170052_	CS_OFFL_SIR_GOPM_2_20180125T145133_20180125T151437_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180125T162800_20180125T165404_C001  CS_OFFL_SIR_GOPM_2_20180125T165800_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T170058_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T170058_20180125T170052_	CS_OFFL_SIR_GOPM_2_20180125T151758_20180125T152138_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001  CS_OFFL_SIR_GOPM_2_20180125T170058_20180125T170052_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 or more records.	CS_OFFL_SIR_GOPM_2_20180125T152752_20180125T155546_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_2018012511700541_201801251170052_C001	CS_OFFL_SIR_GOPM_2_20180125T162800_20180125T165404_C001	Ocean Range Averaging Status	records.
	CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001	Ice Range Averaging Status	records.
	CS_OFFL_SIR_GOPM_2_20180125T170058_20180125T170426_C001	Ice Range Averaging Status	

CS_OFFL_SIR_GOPM_2_20180125T170805_20180125T171854_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T172431_20180125T174123_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T180429_20180125T182214_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T182730_20180125T183333_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T183540_20180125T184125_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T184717_20180125T192017_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T195232_20180125T201249_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T201507_20180125T202018_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T202558_20180125T204829_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T204923_20180125T210026_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T211215_20180125T211246_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T213019_20180125T215018_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T220619_20180125T223735_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T225509_20180125T231403_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T231433_20180125T232737_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T234002_20180125T234330_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T234508_20180126T000050_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180125T053202_20180125T053332_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180125T174123_20180125T174518_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180125T175253_20180125T175324_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T043432_20180125T043941_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T084515_20180125T084521_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T085052_20180125T085139_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T103220_20180125T103512_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T124337_20180125T124506_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T210254_20180125T211008_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T212338_20180125T212452_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T224902_20180125T225016_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T232737_20180125T233356_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.

Test Failed Description

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

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

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

Product	l est Falled	Description
CS_OFFL_SIR_GOPM_2_20180125T003001_20180125T003419_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T003601_20180125T005055_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_20180125T005234_20180125T010727_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_20180125T013036_20180125T014224_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_20180125T014715_20180125T020201_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_20180125T020457_20180125T021322_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T021537_20180125T023822_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_20180125T031422_20180125T031736_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_20180125T031739_20180125T034130_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_20180125T034359_20180125T034556_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T035419_20180125T042023_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_20180125T045310_20180125T050306_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_20180125T050844_20180125T051915_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_20180125T052605_20180125T053202_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20180125T053335_20180125T060228_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_20180125T062451_20180125T065901_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_20180125T070512_20180125T071033_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T071232_20180125T071630_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_20180125T074822_20180125T075035_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180125T080444_20180125T081314_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_20180125T081600_20180125T083818_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_20180125T084521_20180125T084927_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_20180125T085139_20180125T090431_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_20180125T090618_20180125T091220_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_20180125T091421_20180125T091852_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_20180125T094319_20180125T101703_C001	Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180125T101912_20180125T102413_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180125T102433_20180125T102744_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T103217_20180125T103220_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_20180125T103512_20180125T110618_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_20180125T112532_20180125T113355_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_20180125T113740_20180125T115614_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_20180125T115802_20180125T120311_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T120348_20180125T120518_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T121258_20180125T122335_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_20180125T122904_20180125T124034_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_20180125T131729_20180125T131855_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180125T132035_20180125T133507_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_20180125T133721_20180125T134221_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 20180125T134301 20180125T134404 C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20180125T135057 20180125T135239 C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180125T135425_20180125T140524_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_20180125T140656_20180125T141242_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_20180125T145133_20180125T151437_C001	Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180125T151758_20180125T152138_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_20180125T152752_20180125T155546_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_20180125T162800_20180125T165404_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20180125T165541_20180125T170052_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T170058_20180125T170426_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T170805_20180125T171854_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_20180125T172431_20180125T174123_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_20180125T182730_20180125T183333_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_20180125T183540_20180125T184125_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T184717_20180125T192017_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_20180125T195232_20180125T201249_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_20180125T201507_20180125T202018_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180125T202558_20180125T204829_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_20180125T204923_20180125T210026_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_20180125T211215_20180125T211246_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_20180125T213019_20180125T215018_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180125T220619_20180125T223735_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_20180125T225509_20180125T231403_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 201801251232333_201801251232737 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_201801251234002_201801251234330_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_201801251234002_201801251234330_C001  CS_OFFL_SIR_GOPM_2_201801251234508_201801261000050_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
33_511 E_0.11_001 M_Z_201001201204000_201001201000000_0001	Backscatter Averaging Status	more records.

CS_OFFL_SIR_GOPN_2_20180125T053202_20180125T053332_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_20180125T174123_20180125T174518_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_20180125T175253_20180125T175324_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T043432_20180125T043941_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T084515_20180125T084521_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T085052_20180125T085139_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T103220_20180125T103512_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T124337_20180125T124506_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T210254_20180125T211008_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T212338_20180125T212452_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T224902_20180125T225016_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180125T232737_20180125T233356_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

# 5.8 L2 Ocean Retracking Quality Check

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

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

Number of products with errors:

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

#### 6.1 P2P Product Format Check

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

Number of products with errors:

#### 6.2 P2P Product Header Analysis

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

Number of products with errors:

### 6.3 P2P Auxiliary Data File Usage Check

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

umber of products with errors:

### 6.4 P2P Auxiliary Correction Error Check

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

umber of products with errors:

# 6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

### 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.

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180124T233915_20180125T002853_C003	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_220180125T002853_20180125T011828_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_220180125T011828_20180125T020807_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_220180125T020807_20180125T025742_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_220180125T025742_20180125T034720_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_220180125T034720_20180125T043655_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_220180125T043655_20180125T052634_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180125T052634_20180125T061609_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_220180125T061609_20180125T070548_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_220180125T070548_20180125T075523_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_220180125T075523_20180125T084501_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_220180125T084501_20180125T093436_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_220180125T093436_20180125T102414_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_220180125T102414_20180125T111350_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_220180125T111350_20180125T120328_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_220180125T120328_20180125T125303_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_220180125T125303_20180125T134242_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_220180125T134242_20180125T143217_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_220180125T143217_20180125T152155_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_220180125T152155_20180125T161130_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_220180125T161130_20180125T170109_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_220180125T170109_20180125T175044_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_220180125T175044_20180125T184022_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_220180125T184022_20180125T192958_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_220180125T192958_20180125T201936_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_220180125T201936_20180125T210911_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180125T210911_20180125T215850_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180125T215850_20180125T224825_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180125T224825_20180125T233803_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180125T233803_20180126T002738_C002	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

## 6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20180124T233915_20180125T002853_C003	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_20180125T002853_20180125T011828_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_20180125T011828_20180125T020807_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_20180125T020807_20180125T025742_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_20180125T025742_20180125T034720_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_20180125T034720_20180125T043655_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_20180125T043655_20180125T052634_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_20180125T052634_20180125T061609_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_20180125T061609_20180125T070548_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_20180125T070548_20180125T075523_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_20180125T075523_20180125T084501_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_20180125T084501_20180125T093436_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_20180125T093436_20180125T102414_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_20180125T102414_20180125T111350_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_20180125T111350_20180125T120328_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_20180125T120328_20180125T125303_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_20180125T125303_20180125T134242_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_20180125T134242_20180125T143217_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_20180125T143217_20180125T152155_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_20180125T152155_20180125T161130_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_20180125T161130_20180125T170109_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_20180125T170109_20180125T175044_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_20180125T175044_20180125T184022_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_20180125T184022_20180125T192958_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_20180125T192958_20180125T201936_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_20180125T201936_20180125T210911_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_20180125T210911_20180125T215850_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_20180125T215850_20180125T224825_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_20180125T224825_20180125T233803_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_20180125T233803_20180126T002738_C002	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

# 6.8 P2P Ocean Retracking Quality Check

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

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

Number of products with errors:

Test Failed CS OFFL SIR GOP 2 20180124T233915 20180125T002853 C003 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR GOP 2 20180125T002853 20180125T011828 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_\_20180125T011828\_20180125T020807\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_\_20180125T020807\_20180125T025742\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_\_20180125T025742\_20180125T034720\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_\_20180125T034720\_20180125T043655\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_\_20180125T043655\_20180125T052634\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_\_20180125T052634\_20180125T061609\_C001 The Ocean Retracking Quality Flag has been set for one or more records. Ocean Retracking Quality Flag CS OFFL SIR GOP 2 20180125T061609 20180125T070548 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_\_20180125T075523\_20180125T084501\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_\_20180125T084501\_20180125T093436\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_20180125T093436\_20180125T102414\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_\_20180125T102414\_20180125T111350\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_\_20180125T111350\_20180125T120328\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_\_20180125T120328\_20180125T125303\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_20180125T125303\_20180125T134242\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_20180125T134242\_20180125T143217\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR GOP 2 20180125T143217 20180125T152155 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_\_20180125T152155\_20180125T161130\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR GOP 2 20180125T161130 20180125T170109 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS OFFL SIR GOP 2 20180125T175044 20180125T184022 C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_\_20180125T192958\_20180125T201936\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_20180125T201936\_20180125T210911\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_\_20180125T210911\_20180125T215850\_C001 The Ocean Retracking Quality Flag has been set for one or more records. Ocean Retracking Quality Flag CS\_OFFL\_SIR\_GOP\_2\_20180125T215850\_20180125T224825\_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS\_OFFL\_SIR\_GOP\_2\_20180125T233803\_20180126T002738\_C002 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.