



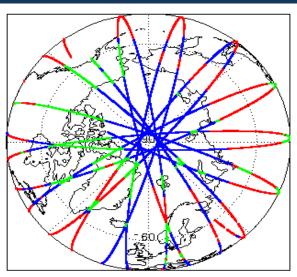
## 1. Overview

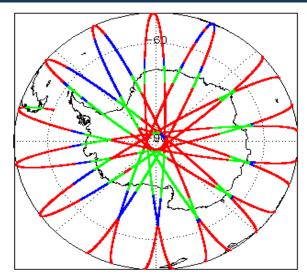
Report Production:	22-Feb-2019
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

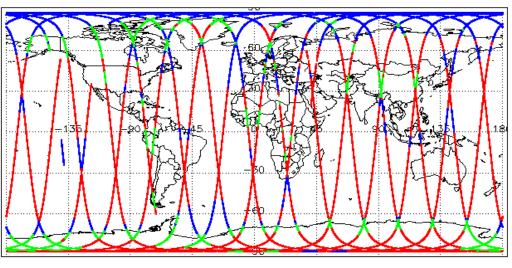
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

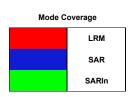
Mission / Instrument News		
23-Jan-2019	None	
24-Jan-2019	SIRAL unavailability on 24-Jan-2019 from 11:57:43 to 12:16:02 due to planned on-board maintanance.	
25-Jan-2019	Nothing planned	

# 2. Global Coverage









# 3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

# 4. GOP Level 1B Data Quality Check

## 4.1 L1B Product Format Check

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

Number of products with errors:

0

### 4.2 L1B Product Header Analysis

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

#### 4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

#### 4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

#### 4.5 L1B Measurement Confidence Data Check

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

Attitude Correction Missing: This flag is currently set in error for GOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

s:

#### 4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

15

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20190124T064324_20190124T065246_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190124T012155_20190124T012508_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190124T061039_20190124T061217_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190124T084912_20190124T085416_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190124T102219_20190124T102251_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190124T112156_20190124T112326_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190124T183537_20190124T183657_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190124T194213_20190124T194508_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190124T215141_20190124T215804_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190124T233100_20190124T233507_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190124T234245_20190124T234320_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190124T003725_20190124T003932_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190124T022326_20190124T022518_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190124T035653_20190124T040536_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190124T175716_20190124T180303_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:

### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

#### 5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

0

#### 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

#### 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.

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20190124T003554_20190124T003725_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T010815_20190124T010938_C001	Cocan Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T011138_20190124T011428_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

		The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T011628_20190124T012154_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190124T012748_20190124T015000_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T015246_20190124T020140_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T021445_20190124T021721_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T023357_20190124T025345_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T025552_20190124T030052_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T030656_20190124T033951_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T040536_20190124T042829_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T043804_20190124T043956_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T044639_20190124T050419_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T050902_20190124T051739_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T053205_20190124T053451_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T053638_20190124T055301_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T055515_20190124T060951_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T061659_20190124T061908_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T062555_20190124T064123_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T064324_20190124T065246_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
		records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T072103_20190124T073047_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T073723_20190124T075156_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T075452_20190124T080312_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T080528_20190124T082218_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190124T082442_20190124T082654_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T090412_20190124T093119_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T093348_20190124T093548_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T093632_20190124T094135_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T094427_20190124T100958_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T104148_20190124T105256_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T105834_20190124T110907_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T111313_20190124T111354_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T111555_20190124T112156_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T112327_20190124T115223_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T121602_20190124T124846_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T125503_20190124T130026_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T130227_20190124T130821_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T133838_20190124T134209_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T135442_20190124T140306_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T140551_20190124T142806_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T143358_20190124T143506_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T143511_20190124T143918_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T144125_20190124T145424_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20190124T145612 20190124T150055 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20190124T153322 20190124T160647 C001	Ocean Range Averaging Status	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
CS_OFFL_SIR_GOPM_2_20190124T160908_20190124T161403_C001	Ice Range Averaging Status	records.  The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T161424_20190124T161749_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T162504_20190124T165631_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T165749_20190124T165843_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T165843_20190124T170056_C001	Ice Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T171650_20190124T172345_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T172939_20190124T174600_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190124T174749_20190124T175301_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
CS_OFFL_SIR_GOPM_2_20190124T175338_20190124T175511_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20190124T195025_20190124T190245_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 Ion Range Averaging Status Flag has been set for one or more records.  The Ion Range Averaging Status Flag has been set for one or more records.  The Ion Range Averaging Status Flag has been set for one or more records.  The Ion Range Averaging Status Flag has been set for one or more records.  The Ion Range Averaging Status Flag has been set for one or more records.  The Ion Range Averaging Status Flag has been set for one or more records.  The Ion Range Averaging Status Flag has been set for one or more records.  The Ion Range Averaging Status Flag has been set for one or more records.  The Ion Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set f	CS_OFFL_SIR_GOPM_2_20190124T180304_20190124T181644_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T19025_20190124T19324D_CO01  CS_OFFL_SIR_GOPM_2_20190124T193251_20190124T193353_CO01  CS_OFFL_SIR_GOPM_2_20190124T19408_20190124T194212_CO01  CS_OFFL_SIR_GOPM_2_20190124T19409_20190124T194212_CO01  CS_OFFL_SIR_GOPM_2_20190124T19409_20190124T194212_CO01  CS_OFFL_SIR_GOPM_2_20190124T19409_20190124T194212_CO01  CS_OFFL_SIR_GOPM_2_20190124T19409_20190124T194212_CO01  CS_OFFL_SIR_GOPM_2_20190124T19409_20190124T194012_CO01  CS_OFFL_SIR_GOPM_2_20190124T19409_20190124T194012_CO01  CS_OFFL_SIR_GOPM_2_20190124T19409_20190124T20402_CO01  CS_OFFL_SIR_GOPM_2_20190124T19409_20190124T19402_CO01  CS_OFFL_SIR_GOPM_2_20190124T19409_20190124T19402_CO01  CS_OFFL_SIR_GOPM_2_20190124T24T240_20190124T21102_CO01  CS_OFFL_SIR_GOPM_2_20190124T21102_CO01  CS_OFFL_SIR_GOPM_2_20190124T22500_20190124T225042_CO01  CS_OFFL_SIR_GOPM_2_20190124T22500_20190124T225042_CO01  CS_OFFL_SIR_GOPM_2_20190124T22500_20190124T225042_CO01  CS_OFFL_SIR_GOPM_2_20190124T22500_20190124T230456_CO01  CS_OFFL_SIR_GOPM_2_20190124T20502_20190124T205040_CO01  CS_OFFL_SIR_GOPM_2_20190124T20502_20190124T205040_CO01  CS_OFFL_SIR_GOPM_2_20190124T205020_20190124T205050_CO01  CS_OFFL_SIR_GOPM_2_20190124T205040_CO010124T205050_CO01  CS_OFFL_SIR_GOPM_2_20190124T205040_CO010124T205050_CO01  CS_OFFL_SIR_GOPM_2_20190124T205040_CO010124T205050_CO01  CS_OFFL_SIR_GOPM_2_20190124T205040_C	CS_OFFL_SIR_GOPM_2_20190124T181858_20190124T183043_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190124T193251_20190124T193353_C001  CS_OFFL_SIR_GOPM_2_20190124T193251_20190124T193353_C001  CS_OFFL_SIR_GOPM_2_20190124T194048_20190124T194112_C001  CS_OFFL_SIR_GOPM_2_20190124T194509_20190124T194500  CS_OFFL_SIR_GOPM_2_20190124T195749_20190124T195411_C001  CS_OFFL_SIR_GOPM_2_20190124T195749_20190124T195410  CS_OFFL_SIR_GOPM_2_20190124T195749_20190124T195410  CS_OFFL_SIR_GOPM_2_20190124T2014124_20190124T2100236  CS_OFFL_SIR_GOPM_2_20190124T2014124_20190124T211142_C001  CS_OFFL_SIR_GOPM_2_20190124T211144_20190124T211142_C001  CS_OFFL_SIR_GOPM_2_20190124T211144_20190124T211144_C001  CS_OFFL_SIR_GOPM_2_20190124T2211744_20190124T211144_C001  CS_OFFL_SIR_GOPM_2_20190124T2211744_20190124T2114144_C001  CS_OFFL_SIR_GOPM_2_20190124T221809_20190124T2234349_C001  CS_OFFL_SIR_GOPM_2_20190124T221809_20190124T2234349_C001  CS_OFFL_SIR_GOPM_2_20190124T2225042_20190124T223080_C001  CS_OFFL_SIR_GOPM_2_20190124T223509_20190124T2230846_C001  CS_OFFL_SIR_GOPM_2_20190124T223509_20190124T2230846_C001  CS_OFFL_SIR_GOPM_2_20190124T223509_20190124T2230846_C001  CS_OFFL_SIR_GOPM_2_20190124T223509_20190124T2230846_C001  CS_OFFL_SIR_GOPM_2_20190124T223509_20190124T2230846_C001  CS_OFFL_SIR_GOPM_2_20190124T223509_20190124T2230846_C001  CS_OFFL_SIR_GOPM_2_20190124T223509_20190124T2230846_C001  CS_OFFL_SIR_GOPM_2_20190124T223509_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T223509_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T230852_0190124T030806_C001  CS_OFFL_SIR_GOPM_2_20190124T230852_0190124T030806_C001  CS_OFFL_SIR_GOPM_2_20190124T230852_0190124T030806_C001  CS_OFFL_SIR_GOPM_2_20190124T231456_001024T030806_C001  CS_OFFL_SIR_GOPM_2_20190124T030806_C001  CS_OFFL_SIR_GOPM_2_20190124T030806_C001  CS_OFFL_SIR_GOPM_2_20190124T030806_C001  CS_OFFL_SIR_GOPM_2_20190124T030806_C001  CS_OFFL_SIR_GOPM_2_20190124T030806_C001  CS_OFFL_SIR_GOPM_2_20190124T030806_C001  CS_OFFL_SIR_GOPM_2_20190124T030806_C001  CS_OFFL_SIR_GOPM_2_20190124T030806_C001  CS_OFFL_SIR_GOPM_2_20190124T030806_C001  CS_OFFL_SIR_GOPM_2_20190124T03080	CS_OFFL_SIR_GOPM_2_20190124T185827_20190124T190845_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190124T193251_20190124T193253_C001  CS_OFFL_SIR_GOPM_2_20190124T194048_20190124T29511_C001  CS_OFFL_SIR_GOPM_2_20190124T194048_20190124T29141_C001  CS_OFFL_SIR_GOPM_2_20190124T194048_20190124T29141_C001  CS_OFFL_SIR_GOPM_2_20190124T195749_20190124T290236_C001  CS_OFFL_SIR_GOPM_2_20190124T195749_20190124T20236_C001  CS_OFFL_SIR_GOPM_2_20190124T201242_C001  CS_OFFL_SIR_GOPM_2_20190124T201242_C001  CS_OFFL_SIR_GOPM_2_20190124T211126_C001  CS_OFFL_SIR_GOPM_2_20190124T211126_C001  CS_OFFL_SIR_GOPM_2_20190124T211126_C001  CS_OFFL_SIR_GOPM_2_20190124T211136_C0190124T211126_C001  CS_OFFL_SIR_GOPM_2_20190124T211136_C0190124T211126_C001  CS_OFFL_SIR_GOPM_2_20190124T211136_C0190124T211146_C001  CS_OFFL_SIR_GOPM_2_20190124T211136_C0190124T211146_C001  CS_OFFL_SIR_GOPM_2_20190124T221809_20190124T221446_C001  CS_OFFL_SIR_GOPM_2_20190124T221809_20190124T222449_C001  CS_OFFL_SIR_GOPM_2_20190124T2225049_C0190124T222446_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T2225040_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T2235040_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T223086_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T223086_C001  CS_OFFL_SIR_GOPM_2_20190124T030356_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T030356_20190124T230850_C001  CS_OFFL_SIR_GOPM_2_20190124T030356_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T030356_20190124T030340_C001  CS_OFFL_SIR_GOPM_2_20190124T030356_20190124T030340_C001  CS_OFFL_SIR_GOPM_2_20190124T030356_20190124T030340_C001  CS_OFFL_SIR_GOPM_2_20190124T030356_20190124T030340_C001  CS_OFFL_SIR_GOPM_2_20190124T111152_C0190124T111312_C001  CS_OFFL_SIR_GOPM_2_20190124T030412_20190124T030346_C001  CS_OFFL_SIR_GOPM_2_20190124T030356_20190124T030346_C001  CS_OFFL_SIR_GOPM_2_20190124T030356_20190124T030346_C001  CS_OFFL_SIR_GOPM_2_20190124T030356_20190124T030346_C001  CS_OFFL_SIR_GOPM_2_20190124T0303412_0190124T030346_C001  CS_OFFL_SIR_GOPM_2_20190124T0303412_0190124T030346_C001  CS_OFFL_SIR_GOPM_2_20190124T030412_0190124T030446_C001  CS_OFFL_SIR_GOPM_2_	CS_OFFL_SIR_GOPM_2_20190124T191025_20190124T192454_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190124T194048_20190124T194212_CO01  CS_OFFL_SIR_GOPM_2_20190124T194049_20190124T194212_CO01  CS_OFFL_SIR_GOPM_2_20190124T195749_20190124T20236_CO01  CS_OFFL_SIR_GOPM_2_20190124T201412_20190124T20422_CO01  CS_OFFL_SIR_GOPM_2_20190124T201412_20190124T201422_CO01  CS_OFFL_SIR_GOPM_2_20190124T201745_20190124T211129_CO01  CS_OFFL_SIR_GOPM_2_20190124T201745_20190124T211144_CO01  CS_OFFL_SIR_GOPM_2_20190124T211744_20190124T211144_CO01  CS_OFFL_SIR_GOPM_2_20190124T211744_20190124T211144_CO01  CS_OFFL_SIR_GOPM_2_20190124T211744_20190124T211444_CO01  CS_OFFL_SIR_GOPM_2_20190124T211744_20190124T214548_CO01  CS_OFFL_SIR_GOPM_2_20190124T221309_20190124T224349_CO01  CS_OFFL_SIR_GOPM_2_20190124T2245042_CO01  CS_OFFL_SIR_GOPM_2_20190124T2245042_CO01  CS_OFFL_SIR_GOPM_2_20190124T2245042_CO01  CS_OFFL_SIR_GOPM_2_20190124T2245042_CO01  CS_OFFL_SIR_GOPM_2_20190124T2245042_CO01  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225042_CO01  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225042_CO01  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225042_CO01  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225042_CO01  CS_OFFL_SIR_GOPM_2_20190124T25049_20190124T225040_CO01  CS_OFFL_SIR_GOPM_2_20190124T25040_CO01  CS_OFFL_SIR_GOPM_2_20190124T225751_20190124T230460_CO01  CS_OFFL_SIR_GOPM_2_20190124T2303059_CO01  CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T2303059_CO01  CS_OFFL_SIR_GOPM_2_20190124T003306_C0010  CS_OFFL_SIR_GOPM_2_20190124T003306_C0010  CS_OFFL_SIR_GOPM_2_20190124T003306_C00100124T003306_C001  CS_OFFL_SIR_GOPM_2_20190124T003306_C00100124T003006_C001  CS_OFFL_SIR_GOPM_2_20190124T003026_C0010124T003006_C001  CS_OFFL_SIR_GOPM_2_20190124T003026_C0010124T003006_C001  CS_OFFL_SIR_GOPM_2_20190124T003026_C0010124T003006_C001  CS_OFFL_SIR_GOPM_2_20190124T003026_C0010124T003066_C001  CS_OFFL_SIR_GOPM_2_20190124T003026_C0010124T003066_C001  CS_OFFL_SIR_GOPM_2_20190124T003026_C0010124T003066_C001  CS_OFFL_SIR_GOPM_2_20190124T003026_C0010124T003066_C001  CS_OFFL_SIR_GOPM_2_20190124T003040_C00100124T003066_C001  CS_OFFL_SIR_GOPM	CS_OFFL_SIR_GOPM_2_20190124T192712_20190124T193212_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190124T19459_20190124T195411_C001  CS_OFFL_SIR_GOPM_2_20190124T29459_20190124T200236_C001  CS_OFFL_SIR_GOPM_2_20190124T201424_20190124T200236_C001  CS_OFFL_SIR_GOPM_2_20190124T204124_20190124T211129_C001  CS_OFFL_SIR_GOPM_2_20190124T211136_20190124T211129_C001  CS_OFFL_SIR_GOPM_2_20190124T211136_20190124T211144_C001  CS_OFFL_SIR_GOPM_2_20190124T211136_20190124T211144_C001  CS_OFFL_SIR_GOPM_2_20190124T211144_20190124T211144_C001  CS_OFFL_SIR_GOPM_2_20190124T211144_20190124T2114548_C001  CS_OFFL_SIR_GOPM_2_20190124T211144_20190124T2114548_C001  CS_OFFL_SIR_GOPM_2_20190124T221809_20190124T224349_C001  CS_OFFL_SIR_GOPM_2_20190124T225042_C001  CS_OFFL_SIR_GOPM_2_20190124T225042_00190124T225042_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225042_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225416_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225416_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T2300556_20190124T0033056_20190124T0033056_20190124T003056_C001  CS_OFFL_SIR_GOPM_2_20190124T2003256_20190124T003056_C001  CS_OFFL_SIR_GOPM_2_20190124T2003256_20190124T003056_C001  CS_OFFL_SIR_GOPM_2_20190124T2003256_20190124T003056_C001  CS_OFFL_SIR_GOPM_2_20190124T003056_20190124T003056_C001  CS_OFFL_SIR_GOPM_2_20190124T003056_20190124T0030656_C001  CS_OFFL_SIR_GOPM_2_20190124T003056_20190124T0030656_C001  CS_OFFL_SIR_GOPM_2_20190124T003056_20190124T0030656_C001  CS_OFFL_SIR_GOPM_2_20190124T003056_20190124T0030656_C001  CS_OFFL_SIR_GOPM_2_20190124T0030656_C001  CS_O	CS_OFFL_SIR_GOPM_2_20190124T193251_20190124T193353_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190124T19549_20190124T200236_C001  CS_OFFL_SIR_GOPM_2_20190124T204124_20190124T200236_C001  CS_OFFL_SIR_GOPM_2_20190124T204124_20190124T211129_C001  CS_OFFL_SIR_GOPM_2_20190124T211136_20190124T211144_C001  CS_OFFL_SIR_GOPM_2_20190124T211136_20190124T211144_C001  CS_OFFL_SIR_GOPM_2_20190124T211136_20190124T211144_C001  CS_OFFL_SIR_GOPM_2_20190124T211136_20190124T2114548_C001  CS_OFFL_SIR_GOPM_2_20190124T211744_20190124T214548_C001  CS_OFFL_SIR_GOPM_2_20190124T221809_20190124T224349_C001  CS_OFFL_SIR_GOPM_2_20190124T224349_C001  CS_OFFL_SIR_GOPM_2_20190124T224549_20190124T225042_C001  CS_OFFL_SIR_GOPM_2_20190124T225549_20190124T225416_C001  CS_OFFL_SIR_GOPM_2_20190124T225549_20190124T225416_C001  CS_OFFL_SIR_GOPM_2_20190124T225549_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T22551_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T230155_20190124T23059_C001  CS_OFFL_SIR_GOPM_2_20190124T230155_20190124T033356_C0190124T033356_C0190124T033348_C001  CS_OFFL_SIR_GOPM_2_20190124T203029_20190124T033348_C001  CS_OFFL_SIR_GOPM_2_20190124T203029_20190124T033256_C0190124T033348_C001  CS_OFFL_SIR_GOPM_2_20190124T033252_0190124T033348_C001  CS_OFFL_SIR_GOPM_2_20190124T033252_0190124T033348_C001  CS_OFFL_SIR_GOPM_2_20190124T033252_0190124T033348_C001  CS_OFFL_SIR_GOPM_2_20190124T033252_0190124T033348_C001  CS_OFFL_SIR_GOPM_2_20190124T033252_0190124T033348_C001  CS_OFFL_SIR_GOPM_2_20190124T033252_0190124T033348_C001  CS_OFFL_SIR_GOPM_2_20190124T033252_0190124T033348_C001  CS_OFFL_SIR_GOPM_2_20190124T033252_0190124T033348_C001  CS_OFFL_SIR_GOPM_2_20190124T033252_0190124T033348_C001  CS_OFFL_SIR_GOPM_2_20190124T033452_0190124T033252_0100124T033348_C001  CS_OFFL_SIR_GOPM_2_20190124T033452_0190124T033552_C001  CS_OFFL_SIR_GOPM_2_20190124T033452_0190124T033452_0100124T030656_C001  CS_OFFL_SIR_GOPM_2_20190124T030452_0190124T030656_C001  CS_OFFL_SIR_GOPM_2_20190124T030452_0190124T030656_C001  CS_OFFL_SIR_GOPM_2_20190124T030452_0190124T030656_C001  CS_OFFL_SIR_GOPM_2_20190124T030452_0190124T030656_C001  CS_OFFL	CS_OFFL_SIR_GOPM_2_20190124T194048_20190124T194212_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190124T21932_C001  CS_OFFL_SIR_GOPM_2_20190124T211136_20190124T211142_C001  CS_OFFL_SIR_GOPM_2_20190124T211136_20190124T211144_C001  CS_OFFL_SIR_GOPM_2_20190124T211144_20190124T211144_C001  CS_OFFL_SIR_GOPM_2_20190124T211144_20190124T211458_C001  CS_OFFL_SIR_GOPM_2_20190124T21144_20190124T214548_C001  CS_OFFL_SIR_GOPM_2_20190124T221809_20190124T224349_C001  CS_OFFL_SIR_GOPM_2_20190124T221809_20190124T224349_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225042_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225040_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225040_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225040_C001  CS_OFFL_SIR_GOPM_2_20190124T225751_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T225751_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T225751_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T225751_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T203049_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T203049_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T203049_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T203049_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T203049_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T203049_20190124T03040_C001  CS_OFFL_SIR_GOPM_2_20190124T030329_20190124T03040_C001  CS_OFFL_SIR_GOPM_2_20190124T030329_20190124T030348_C001  CS_OFFL_SIR_GOPM_2_20190124T111152_20190124T030348_C001  CS_OFFL_SIR_GOPM_2_20190124T030349_C001  CS_OFFL_SIR_GOPM_2_20190124T030349_20190124T030349_C001  CS_OFFL_SIR_GOPM_2_20190124T030349_C001  CS_OFFL_SIR_GOPM_2_20190124T030349_C0010417030356_C	CS_OFFL_SIR_GOPM_2_20190124T194509_20190124T195411_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190124T210745_20190124T211129_C001  CS_OFFL_SIR_GOPM_2_20190124T211136_20190124T211144_C001  CS_OFFL_SIR_GOPM_2_20190124T211136_20190124T211144_C001  CS_OFFL_SIR_GOPM_2_20190124T211744_20190124T214548_C001  Coean Range Averaging Status  Coean Range Averaging Status  CS_OFFL_SIR_GOPM_2_20190124T221809_20190124T224349_C001  CS_OFFL_SIR_GOPM_2_20190124T224527_20190124T225042_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225042_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225416_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225416_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T2230846_C001  CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T230859_C001  CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T233059_C001  CS_OFFL_SIR_GOPM_2_20190124T003356_20190124T003400_C001  CS_OFFL_SIR_GOPM_2_20190124T003356_20190124T003348_C001  CS_OFFL_SIR_GOPM_2_20190124T111152_20190124T1111312_C001  CS_OFFL_SIR_GOPM_2_20190124T211444_20190124T2111312_C001  CS_OFFL_SIR_GOPM_2_20190124T111152_20190124T111312_C001  CS_OFFL_SIR_GOPM_2_20190124T003400_20190124T1111312_C001  CS_OFFL_SIR_GOPM_2_20190124T003400_20190124T0030666_C001  CS_OFFL_SIR_GOPM_2_20190124T0041024T004005666_C001  CS_OFFL_SIR_GOPM_2_20190124T0041024T004005666_C001  CS_OFFL_SIR_GOPM_2_20190124T0041024T004005666_C001  CS_OFFL_SIR_GOPM_2_20190124T0041024T004005666_C001  CS_OFFL_SIR_GOPM_2_20190124T004100412_20190124T0000666_C001  CCC_OCAN Range Averaging Status  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for one or more records.  The Cocan Range Averaging Status Flag has been set for on	CS_OFFL_SIR_GOPM_2_20190124T195749_20190124T200236_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190124T211136_20190124T211144_C001  CS_OFFL_SIR_GOPM_2_20190124T211744_20190124T211444_C001  CS_OFFL_SIR_GOPM_2_20190124T2211744_20190124T214548_C001  CS_OFFL_SIR_GOPM_2_20190124T221809_20190124T224349_C001  CS_OFFL_SIR_GOPM_2_20190124T221809_20190124T224349_C001  CS_OFFL_SIR_GOPM_2_20190124T224527_20190124T225042_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225042_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225042_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225046_C001  CS_OFFL_SIR_GOPM_2_20190124T225751_20190124T225046_C001  CS_OFFL_SIR_GOPM_2_20190124T225751_20190124T225046_C001  CS_OFFL_SIR_GOPM_2_20190124T225751_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T230859_C001  CS_OFFL_SIR_GOPM_2_20190124T033456_C001  CS_OFFL_SIR_GOPM_2_20190124T03356_20190124T03400_C001  CS_OFFL_SIR_GOPM_2_20190124T033259_20190124T03348_C001  CS_OFFL_SIR_GOPM_2_20190124T0303256_20190124T030346_C001  CS_OFFL_SIR_GOPM_2_20190124T111152_20190124T111312_C001  CS_OFFL_SIR_GOPM_2_20190124T111152_20190124T111312_C001  CS_OFFL_SIR_GOPM_2_20190124T030412_0190124T030365_C001  CS_OFFL_SIR_GOPM_2_20190124T030412_0190124T030656_C001  CS_OFFL_SIR_GOPM_2_20190124T030412_0190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T050901_C001  CS_OFFL_SIR_GO	CS_OFFL_SIR_GOPM_2_20190124T204124_20190124T210422_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190124T21156_20190124T211444_0010	CS_OFFL_SIR_GOPM_2_20190124T210745_20190124T211129_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190124T221809_20190124T224349_C001  CS_OFFL_SIR_GOPM_2_20190124T224527_20190124T225042_C001  CS_OFFL_SIR_GOPM_2_20190124T225042_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225042_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225046_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225046_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T03356_20190124T03309_C001  CS_OFFL_SIR_GOPM_2_20190124T03356_20190124T03348_C001  CS_OFFL_SIR_GOPM_2_20190124T033229_20190124T093348_C001  CS_OFFL_SIR_GOPM_2_20190124T033229_20190124T093348_C001  CS_OFFL_SIR_GOPM_2_20190124T111152_20190124T111312_C001  CS_OFFL_SIR_GOPM_2_20190124T030412_20190124T030656_C001  CS_OFFL_SIR_GOPM_2_20190124T030412_20190124T030656_C001  CS_OFFL_SIR_GOPR_2_20190124T030412_20190124T030656_C001  CS_OFFL_SIR_GOPR_2_20190124T05157_20190124T055256_C001  CS_OFFL_SIR_GOPR_2_20190124T05157_20190124T075256_C001  CS_OFFL_SIR_GOPR_2_20190124T05157_20190124T05157256_C001  CS_OFFL_SIR_GOPR_2_20190124T051	CS_OFFL_SIR_GOPM_2_20190124T211136_20190124T211144_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190124T224527_20190124T225042_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225416_C001  CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225416_C001  CS_OFFL_SIR_GOPM_2_20190124T225751_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T225751_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T033456_20190124T03359_C001  CS_OFFL_SIR_GOPM_2_20190124T03356_20190124T003400_C001  CS_OFFL_SIR_GOPM_2_20190124T003356_20190124T003400_C001  CS_OFFL_SIR_GOPM_2_20190124T033229_20190124T093348_C001  CS_OFFL_SIR_GOPM_2_20190124T033229_20190124T03348_C001  CS_OFFL_SIR_GOPM_2_20190124T111152_20190124T111312_C001  CS_OFFL_SIR_GOPM_2_20190124T111152_20190124T111312_C001  CS_OFFL_SIR_GOPM_2_20190124T030412_20190124T11650_C001  CS_OFFL_SIR_GOPM_2_20190124T030412_20190124T030656_C001  CS_OFFL_SIR_GOPM_2_20190124T030412_20190124T050901_C001  CS_OFFL_SIR_GOPM_2_20190124T050420_20190124T050901_C001  CS_OFFL_SIR_GOPM_2_20190124T050420_20190124T050901_C001	CS_OFFL_SIR_GOPM_2_20190124T211744_20190124T214548_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225416_C001  CS_OFFL_SIR_GOPM_2_20190124T225751_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T23089_C001  CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T230359_C001  CS_OFFL_SIR_GOPM_2_20190124T003356_20190124T030400_C001  CS_OFFL_SIR_GOPM_2_20190124T003356_20190124T003348_C001  CS_OFFL_SIR_GOPM_2_20190124T093229_20190124T093348_C001  CS_OFFL_SIR_GOPM_2_20190124T093229_20190124T093348_C001  CS_OFFL_SIR_GOPM_2_20190124T111152_20190124T111312_C001  CS_OFFL_SIR_GOPM_2_20190124T211444_20190124T211650_C001  CS_OFFL_SIR_GOPM_2_20190124T030412_20190124T030656_C001  CS_OFFL_SIR_GOPR_2_20190124T030412_20190124T030656_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T05056_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T05056_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T05056_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T05056_C001  CCS_OFFL_SIR_GOPR_2_20190124T050420_20190124T05056_C001  CCS_OFFL_SIR_GOPR_2_20190124T050420_20190124T05056_C001  CCS_OFFL_SIR_GOPR_2_20190124T050420_20190124T05056_C001  CCS_OFFL_SIR_GOPR_2_20190124T050420_20190124T05056_C001  CCS_OFFL_SIR_GOPR_2_20190124T050420_20190124T05056_C001  CCS_OFFL_SIR_GOPR_2_20190124T050420_20190124T05056_C001  CCS_OFFL_SIR_GOPR_2_20190124T050420_20190124T05056_C001  CCS_OFFL_SIR_GOPR_2_20190124T050420_20190124T05056_C001  CCS_OFFL_SIR_GOPR_2_20190124T050450_20190124T05056_C001  CCS_OFFL_SIR_GOPR_2_20190124T050450_20190124T05056_C001  CCS_OFFL_SIR_GOPR_2_20190124T050450_20190124T05056_C001  CCS_OFFL_SIR_GOPR_2_20190124T050450_20190124T05056_C001  CCS_OFFL_SIR_GOPR_2_20190124T050450_20190124T05056_C001  CCS_OFFL_SIR_GOPR_2_20190124T050450_20190124T05056_C001  CCS_OFFL_SIR_GOPR_2_20190124T050450_20190124T05056_C001  CCS_OFFL_SIR_GOPR_2_20190124T050450_20190124T05056_C001	CS_OFFL_SIR_GOPM_2_20190124T221809_20190124T224349_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190124T225751_20190124T230846_C001  CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T233059_C001  CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T233059_C001  CS_OFFL_SIR_GOPM_2_20190124T03356_20190124T033059_C001  CS_OFFL_SIR_GOPM_2_20190124T03356_20190124T03400_C001  CS_OFFL_SIR_GOPM_2_20190124T093328_C001  CS_OFFL_SIR_GOPM_2_20190124T093229_20190124T093348_C001  CS_OFFL_SIR_GOPM_2_20190124T093229_20190124T093348_C001  CS_OFFL_SIR_GOPM_2_20190124T111152_20190124T111312_C001  CS_OFFL_SIR_GOPM_2_20190124T211444_20190124T211650_C001  CS_OFFL_SIR_GOPM_2_20190124T211444_20190124T211650_C001  CS_OFFL_SIR_GOPM_2_20190124T030412_20190124T030656_C001  CS_OFFL_SIR_GOPR_2_20190124T030412_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T05157_20190124T05256_C001  CS_OFFL_SIR_GOPR_2_20190124T05157_20190124T05256_C001  CS_OFFL_SIR_GOPR_2_20190124T05157_20190124T05256_C001  CS_OFFL_SIR_GOPR_2_20190124T05157_20190124T05256_C001  CS_OFFL_SIR_GOPR_2_20190124T05157_20190124T05256_C001  CS_OFFL_SIR_GOPR_2_20190124T05157_20190124T05256_C001  CS_OFFL_SIR_GOPR_2_20190124T05157_20190124T05256_C001  CS_OFFL_SIR_GOPR_2_20190124T05157_20190124T05256_C001  CS_OFFL_SIR_GOPR_2_20190124T05157_20190124T075256_C001  CS_OFFL_SIR_GOPR_2_20190124T05157_20190124T075256_C001  COCCURA 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	CS_OFFL_SIR_GOPM_2_20190124T224527_20190124T225042_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T233059_C001  CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T003400_C001  CS_OFFL_SIR_GOPN_2_20190124T003356_20190124T003400_C001  CS_OFFL_SIR_GOPN_2_20190124T093229_20190124T093348_C001  CS_OFFL_SIR_GOPN_2_20190124T11152_20190124T111312_C001  CS_OFFL_SIR_GOPN_2_20190124T111152_20190124T111312_C001  CS_OFFL_SIR_GOPN_2_20190124T211444_20190124T211650_C001  CS_OFFL_SIR_GOPN_2_20190124T030412_20190124T030656_C001  CS_OFFL_SIR_GOPR_2_20190124T030412_20190124T030656_C001  CS_OFFL_SIR_GOPR_2_20190124T030412_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T05256_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_C0	CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225416_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPN_2_20190124T03356_20190124T093348_C001  CS_OFFL_SIR_GOPN_2_20190124T093329_20190124T093348_C001  CS_OFFL_SIR_GOPN_2_20190124T093229_20190124T093348_C001  CS_OFFL_SIR_GOPN_2_20190124T111152_20190124T111312_C001  CS_OFFL_SIR_GOPN_2_20190124T111152_20190124T111312_C001  CS_OFFL_SIR_GOPN_2_20190124T211444_20190124T211650_C001  CS_OFFL_SIR_GOPN_2_20190124T211444_20190124T211650_C001  CS_OFFL_SIR_GOPR_2_20190124T030412_20190124T030656_C001  CS_OFFL_SIR_GOPR_2_20190124T030412_20190124T030656_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T05506_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_C001  CCS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_C001  CCS_OFFL_SIR_GOPR_2_20190124T075157_	CS_OFFL_SIR_GOPM_2_20190124T225751_20190124T230846_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPN_2_20190124T003356_20190124T003348_C001  CS_OFFL_SIR_GOPN_2_20190124T0111152_20190124T111312_C001  CS_OFFL_SIR_GOPN_2_20190124T111152_20190124T111312_C001  CS_OFFL_SIR_GOPN_2_20190124T211444_20190124T211650_C001  CS_OFFL_SIR_GOPN_2_20190124T030412_20190124T030656_C001  CS_OFFL_SIR_GOPR_2_20190124T030412_20190124T030656_C001  CS_OFFL_SIR_GOPR_2_20190124T030412_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T05256_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T05256_C001  CS_OFFL_SIR_GOPR_2_20190124T0505020_C001  CS_OFFL_SIR_GOPR_2_20190124T055050_C001  CS_OFFL_SIR_GOPR_2_20190124T055050_C001  CCS_OFFL_SIR_GOPR_2_20190124T055050_C001  CCS_OFFL_SIR_GOPR_2_20190124T055050_C001  CCCOMPARANGE Averaging Status  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.  The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T233059_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPN_2_20190124T111312_C001	CS_OFFL_SIR_GOPN_2_20190124T003356_20190124T003400_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPN_2_20190124T111152_20190124T211650_C001  CS_OFFL_SIR_GOPN_2_20190124T211444_20190124T211650_C001  CS_OFFL_SIR_GOPR_2_20190124T030412_20190124T030656_C001  CS_OFFL_SIR_GOPR_2_20190124T030412_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T0750420_20190124T075256_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075157_20190124T075157_20190124T075157_20190124T075157_20190124	CS_OFFL_SIR_GOPN_2_20190124T093229_20190124T093348_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPR_2_20190124T030412_20190124T030656_C001  CS_OFFL_SIR_GOPR_2_20190124T030412_20190124T030656_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T075256_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075157_20190124T075157_20190124T075157_20190124T075157_20190124T	CS_OFFL_SIR_GOPN_2_20190124T111152_20190124T111312_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPR_2_20190124T030412_20190124T030656_C001  CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_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 or more records.	CS_OFFL_SIR_GOPN_2_20190124T211444_20190124T211650_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T050901_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_C001  CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_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 or m	CS_OFFL_SIR_GOPR_2_20190124T030412_20190124T030656_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPR_2_201901241075157_201901241075256_C001  CS_OFFL_SIR_GOPR_2_201901241075157_201901241075256_C001  Ocean Range Averaging Status  records.  The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_GOPR_2_20190124T050420_20190124T050901_C001	Ocean Range Averaging Status	
US OFFI SIR GOPR / 201901241224350 201901241224352 CDO1   Ocean Range Averaging Status	CS_OFFL_SIR_GOPR_2_20190124T075157_20190124T075256_C001	Ocean Range Averaging Status	
	CS_OFFL_SIR_GOPR_2_20190124T224350_20190124T224352_C001	Ocean Range Averaging Status	

## 5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20190124T003554_20190124T003725_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_20190124T011138_20190124T011428_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_20190124T011628_20190124T012154_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T012748_20190124T015000_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_20190124T015246_20190124T020140_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_20190124T021445_20190124T021721_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_20190124T023357_20190124T025345_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_20190124T025552_20190124T030052_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T030656_20190124T033951_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_20190124T040536_20190124T042829_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_20190124T043804_20190124T043956_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T044639_20190124T050419_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_20190124T050902_20190124T051739_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_20190124T053205_20190124T053451_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T053638_20190124T055301_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_20190124T055515_20190124T060951_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_20190124T061659_20190124T061908_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

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CS_OFFL_SIR_GOPM_2_20190124T061956_20190124T062411_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T062555_20190124T064123_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_20190124T064324_20190124T065246_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_20190124T072103_20190124T073047_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_20190124T073723_20190124T075156_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_20190124T075452_20190124T080312_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T080528_20190124T082218_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_20190124T082442_20190124T082654_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190124T090412_20190124T093119_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_20190124T093632_20190124T094135_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_20190124T094427_20190124T100958_C001	SWH Averaging Status, Ocean	records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190124T104148_20190124T105256_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_20190124T105834_20190124T110907_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_20190124T111313_20190124T111354_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_20190124T111555_20190124T1112156_C001	0 0	records.  The Ice Backscatter Averaging Status Flag has been set for one or more
	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_20190124T11232T_20190124T115223_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_20190124T121602_20190124T124846_C001	Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T125503_20190124T130026_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_20190124T130227_20190124T130821_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_20190124T133838_20190124T134209_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_20190124T135442_20190124T140306_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20190124T140551_20190124T142806_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_20190124T143358_20190124T143506_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T143511_20190124T143918_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T144125_20190124T145424_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_20190124T145612_20190124T150055_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_20190124T153322_20190124T160647_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_20190124T160908_20190124T161403_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T161424_20190124T161749_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T162504_20190124T165631_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_20190124T165843_20190124T170056_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T171650_20190124T172345_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_20190124T172939_20190124T174600_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_20190124T174749_20190124T175301_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T175338_20190124T175511_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T180304_20190124T181644_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_20190124T181858_20190124T183043_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_20190124T185827_20190124T190845_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_20190124T191025_20190124T192454_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_20190124T192712_20190124T193212_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190124T194048_20190124T194212_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20190124T194509_20190124T195411_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_20190124T195749_20190124T200236_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_20190124T204124_20190124T210422_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_20190124T210745_20190124T211129_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_20190124T211136_20190124T211144_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T211744_20190124T214548_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_20190124T221809_20190124T224349_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T224527_20190124T225042_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190124T225049_20190124T225416_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_20190124T225751_20190124T230846_C001	Backscatter Averaging Status	more records.

CS_OFFL_SIR_GOPM_2_20190124T231425_20190124T233059_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_20190124T003356_20190124T003400_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_20190124T093229_20190124T093348_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190124T111152_20190124T111312_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190124T211444_20190124T211650_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_20190124T030412_20190124T030656_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_20190124T050420_20190124T050901_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_20190124T075157_20190124T075256_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_20190124T224350_20190124T224352_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.

umber of products with errors:

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

#### 6.1 P2P Product Format Check

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

Number of products with errors:

#### 6.2 P2P Product Header Analysis

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

Number of products with errors:

#### 6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

#### 6.4 P2P Auxiliary Correction Error Check

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

lumber 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_2_20190124T003127_20190124T012101_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190124T012101_20190124T021040_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190124T021040_20190124T030015_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190124T030015_20190124T034954_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190124T034954_20190124T043928_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_220190124T043928_20190124T052907_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190124T052907_20190124T061842_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190124T061842_20190124T070821_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_220190124T070821_20190124T075755_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190124T075755_20190124T084734_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190124T084734_20190124T093709_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190124T093709_20190124T102648_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190124T102648_20190124T111623_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T111623_20190124T120602_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190124T120602_20190124T125536_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T125536_20190124T134515_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_220190124T134515_20190124T143450_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190124T143450_20190124T152429_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_220190124T152429_20190124T161403_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T161403_20190124T170342_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_220190124T170342_20190124T175317_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_220190124T175317_20190124T184256_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_220190124T184256_20190124T193230_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_220190124T193230_20190124T202209_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T202209_20190124T211144_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T211144_20190124T220123_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190124T220123_20190124T225057_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_220190124T225057_20190124T234036_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

## 6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20190124T003127_20190124T012101_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_20190124T012101_20190124T021040_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_20190124T021040_20190124T030015_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_20190124T030015_20190124T034954_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_20190124T034954_20190124T043928_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_20190124T043928_20190124T052907_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_20190124T052907_20190124T061842_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_20190124T061842_20190124T070821_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_20190124T070821_20190124T075755_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_20190124T075755_20190124T084734_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_20190124T084734_20190124T093709_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_20190124T093709_20190124T102648_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_20190124T102648_20190124T111623_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_20190124T111623_20190124T120602_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_20190124T120602_20190124T125536_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_20190124T125536_20190124T134515_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_20190124T134515_20190124T143450_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_20190124T143450_20190124T152429_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_20190124T152429_20190124T161403_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_20190124T161403_20190124T170342_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_20190124T170342_20190124T175317_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.

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	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_220190124T184256_20190124T193230_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.
	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS OFFE SIR GOP 2 201901241202209 201901241211144 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_220190124T211144_20190124T220123_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_220190124T220123_20190124T225057_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_220190124T225057_20190124T234036_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

# 6.8 P2P Ocean Retracking Quality Check

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20190124T003127_20190124T012101_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190124T012101_20190124T021040_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T021040_20190124T030015_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T030015_20190124T034954_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T034954_20190124T043928_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T043928_20190124T052907_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T052907_20190124T061842_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T061842_20190124T070821_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T070821_20190124T075755_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T075755_20190124T084734_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T084734_20190124T093709_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T093709_20190124T102648_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T102648_20190124T111623_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T111623_20190124T120602_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T120602_20190124T125536_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T125536_20190124T134515_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T134515_20190124T143450_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T143450_20190124T152429_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T152429_20190124T161403_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190124T161403_20190124T170342_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T170342_20190124T175317_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T175317_20190124T184256_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T184256_20190124T193230_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T193230_20190124T202209_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190124T220123_20190124T225057_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T225057_20190124T234036_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190124T234036_20190125T003011_C002	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.