



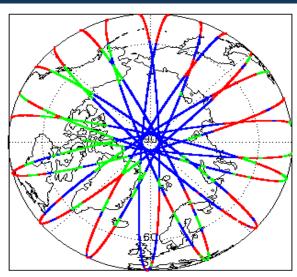
## 1. Overview

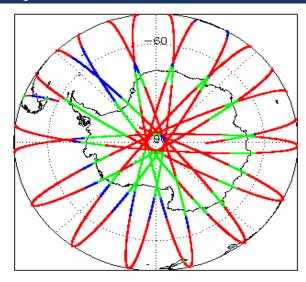
Report Production:	05-Apr-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

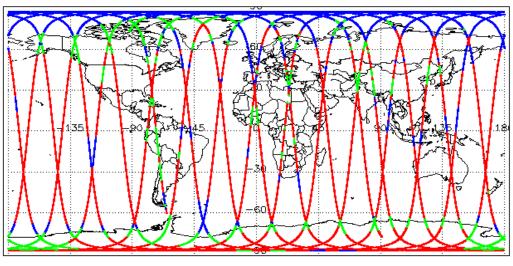
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

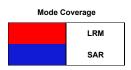
Mission / Instrument News	
01-Apr-2018	None
02-Apr-2018	None
03-Apr-2018	Nothing planned

# 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. IOP 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 IOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

Product		Description
CS_OFFL_SIR_IOPM1B_20180402T201104_20180402T201212_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

### 4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

15

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20180402T082330_20180402T083613_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20180402T154443_20180402T154527_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180402T035807_20180402T035905_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180402T085809_20180402T090043_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180402T102204_20180402T102326_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180402T103500_20180402T103925_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180402T172112_20180402T172139_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180402T204400_20180402T204512_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180402T223418_20180402T223540_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180402T235709_20180403T000155_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180402T004401_20180402T004842_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180402T052845_20180402T052919_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180402T153411_20180402T154036_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180402T154036_20180402T154329_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180402T155442_20180402T155516_C001	Loss of Echo	The tracking echo is missing for one or more records

### 5. IOP Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

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

Number of products with errors:

#### 5.2 L2 Product Header Analysis

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

Number of products with errors:

#### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

### 5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

#### 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:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180402T201104_20180402T201212_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

#### 5.6 L2 Range Measurement Check

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180402T000402_20180402T002929_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T010054_20180402T011221_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T011758_20180402T012947_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T013236_20180402T013348_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T013524_20180402T013954_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T014239_20180402T020454_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T022018_20180402T022040_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20180402T023513 20180402T030851 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T031434_20180402T032009_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T032131_20180402T032755_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T035905_20180402T040043_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T041402_20180402T044816_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_IOPM_2_20180402T045337_20180402T045849_C001	Ice Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T050033_20180402T052034_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T055218_20180402T062600_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T063048_20180402T063336_C001	Ice Range Averaging Status	records.  The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T063353_20180402T063752_C001	Ice Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T063955_20180402T070852_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T070907_20180402T071611_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180402T073529_20180402T074311_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T074752_20180402T080534_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T080716_20180402T081235_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T082330_20180402T083612_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T083826_20180402T085026_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T091744_20180402T092715_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T092951_20180402T094452_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T094641_20180402T095146_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T095210_20180402T095325_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T100017_20180402T100114_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T101032_20180402T101156_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T102326_20180402T103035_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T110637_20180402T112353_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T112641_20180402T113102_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T113108_20180402T113117_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T113123_20180402T113305_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T113655_20180402T121157_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T123735_20180402T130338_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T130453_20180402T131015_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T131604_20180402T132817_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T133353_20180402T134908_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T142100_20180402T144312_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20180402T144443 20180402T145253 C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T145528_20180402T153025_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_IOPM_2_20180402T154329_20180402T154433_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T160930_20180402T161303_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T161404_20180402T162238_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T162422_20180402T162942_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T163458_20180402T165753_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T170039_20180402T170955_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T172206_20180402T172611_C001	Ocean Range Averaging Status	records.

CS OFFL SIR IOPM 2 20180402T174159 20180402T174643 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
CS_OFFL_SIR_IOPM_2_20180402T174831_20180402T180143_C001	Ocean Range Averaging Status	records.  The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T180523_20180402T180841_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180402T181405_20180402T182036_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T182046_20180402T184653_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T190403_20180402T190414_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T190500_20180402T191200_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T191224_20180402T193618_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T195030_20180402T195227_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T195423_20180402T201102_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T201513_20180402T202343_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T203947_20180402T204359_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T204517_20180402T204757_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T204849_20180402T210051_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T210711_20180402T211851_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T212732_20180402T213156_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T213335_20180402T214839_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T215019_20180402T220540_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T222708_20180402T223418_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T223540_20180402T224028_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T224258_20180402T230001_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T230223_20180402T231107_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T231316_20180402T233550_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180402T031058_20180402T031434_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180402T071649_20180402T071650_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180402T113102_20180402T113108_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180402T153237_20180402T153411_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180402T194748_20180402T195030_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180402T201212_20180402T201513_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180402T203140_20180402T203715_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180402T214840_20180402T215019_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

## 5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180401T235545_20180402T000129_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T000402_20180402T002929_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_IOPM_2_20180402T010054_20180402T011221_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_IOPM_2_20180402T011758_20180402T012947_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_IOPM_2_20180402T013524_20180402T013954_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T014239_20180402T020454_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_IOPM_2_20180402T023513_20180402T030851_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_IOPM_2_20180402T031434_20180402T032009_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T032131_20180402T032755_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_IOPM_2_20180402T035905_20180402T040043_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_IOPM_2_20180402T041402_20180402T044816_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_IOPM_2_20180402T045337_20180402T045849_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOPM_2_20180402T050033_20180402T052034_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_IOPM_2_20180402T055218_20180402T062600_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_IOPM_2_20180402T063048_20180402T063336_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T063353_20180402T063752_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T063955_20180402T070852_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_IOPM_2_20180402T070907_20180402T071611_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_IOPM_2_20180402T073529_20180402T074311_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_IOPM_2_20180402T074752_20180402T080534_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20180402T080716_20180402T081235_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T082330_20180402T083612_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_IOPM_2_20180402T083826_20180402T085026_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_IOPM_2_20180402T091744_20180402T092715_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_IOPM_2_20180402T092951_20180402T094452_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS OFFL SIR IOPM 2 20180402T094641 20180402T095146 C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T095210_20180402T095325_C001	Ice Backscatter Averaging Status	records.  The Ice Backscatter Averaging Status Flag has been set for one or more
	SWH Averaging Status, Ocean	records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180402T100017_20180402T100114_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_IOPM_2_20180402T101032_20180402T101156_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.
CS_OFFL_SIR_IOPM_2_20180402T102326_20180402T103035_C001	Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T110329_20180402T110423_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_IOPM_2_20180402T110637_20180402T112353_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_IOPM_2_20180402T112641_20180402T113102_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T113108_20180402T113117_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T113123_20180402T113305_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T113655_20180402T121157_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_IOPM_2_20180402T123735_20180402T130338_C001	Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T130453_20180402T131015_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_IOPM_2_20180402T131604_20180402T132817_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20180402T133353_20180402T134908_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_IOPM_2_20180402T142100_20180402T144312_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_IOPM_2_20180402T144443_20180402T145253_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T145528_20180402T153025_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_IOPM_2_20180402T154329_20180402T154433_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_IOPM_2_20180402T160930_20180402T161303_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_IOPM_2_20180402T161404_20180402T162238_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_IOPM_2_20180402T162422_20180402T162942_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T163458_20180402T165753_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180402T170039_20180402T170955_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_IOPM_2_20180402T172206_20180402T172611_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_IOPM_2_20180402T174159_20180402T174643_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_IOPM_2_20180402T174831_20180402T180143_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20180402T180523_20180402T180841_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T181405_20180402T182036_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_IOPM_2_20180402T182046_20180402T184653_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_IOPM_2_20180402T190403_20180402T190414_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_IOPM_2_20180402T190500_20180402T191200_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_IOPM_2_20180402T191224_20180402T193618_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180402T195030_20180402T195227_C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20180402T195423_20180402T201102_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_IOPM_2_20180402T201513_20180402T202343_C001	Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20180402T203947_20180402T204359_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20180402T204517_20180402T204757_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_IOPM_2_20180402T204849_20180402T210051_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_IOPM_2_20180402T210711_20180402T211851_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_IOPM_2_20180402T212438_20180402T212703_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T213335_20180402T214839_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_IOPM_2_20180402T215019_20180402T220540_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_IOPM_2_20180402T222708_20180402T223418_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_IOPM_2_20180402T224258_20180402T230001_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_IOPM_2_20180402T230223_20180402T231107_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180402T231316_20180402T233550_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_IOPN_2_20180402T031058_20180402T031434_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180402T071649_20180402T071650_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_IOPN_2_20180402T113102_20180402T113108_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180402T153237_20180402T153411_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_IOPN_2_20180402T194748_20180402T195030_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180402T201212_20180402T201513_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_IOPR_2_20180402T203140_20180402T203715_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_IOPR_2_20180402T214840_20180402T215019_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. IOP 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). 0

Number of products with errors:

### 6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180402T194723_20180402T203700_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

### 6.6 P2P Range Measurement Check

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

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

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_IOP_220180401T235641_20180402T004617_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_IOP_220180402T004617_20180402T013554_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_IOP_220180402T013554_20180402T022531_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_IOP_220180402T022531_20180402T031508_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180402T031508_20180402T040444_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_IOP_220180402T040444_20180402T045421_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_IOP_220180402T045421_20180402T054358_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_IOP_220180402T054358_20180402T063335_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_IOP_220180402T063335_20180402T072311_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_IOP_220180402T072311_20180402T081248_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180402T081248_20180402T090225_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_IOP_220180402T090225_20180402T095202_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_IOP_220180402T095202_20180402T104138_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180402T104138_20180402T113116_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_IOP_220180402T113116_20180402T122052_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180402T122052_20180402T131029_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_IOP_220180402T131029_20180402T140006_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180402T140006_20180402T144943_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_IOP_220180402T144943_20180402T153919_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180402T153919_20180402T162857_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_IOP_220180402T162857_20180402T171833_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_IOP_220180402T171833_20180402T180810_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180402T180810_20180402T185746_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_IOP_220180402T185746_20180402T194723_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_IOP_220180402T194723_20180402T203700_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_IOP_220180402T203700_20180402T212637_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_IOP_220180402T212637_20180402T221613_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_IOP_2_20180402T221613_20180402T230551_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_IOP_220180402T230551_20180402T235527_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.

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180401T235641_20180402T004617_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_IOP_220180402T004617_20180402T013554_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_IOP_220180402T013554_20180402T022531_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_IOP_220180402T022531_20180402T031508_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_IOP_220180402T031508_20180402T040444_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_IOP_220180402T040444_20180402T045421_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_IOP_220180402T045421_20180402T054358_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_IOP_220180402T054358_20180402T063335_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_IOP_220180402T063335_20180402T072311_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_IOP_220180402T072311_20180402T081248_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_IOP_220180402T081248_20180402T090225_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_IOP_220180402T090225_20180402T095202_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_IOP_220180402T095202_20180402T104138_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_IOP_2_20180402T104138_20180402T113116_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_IOP_220180402T113116_20180402T122052_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_IOP_2_20180402T122052_20180402T131029_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_IOP_2_20180402T131029_20180402T140006_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_IOP_2_20180402T140006_20180402T144943_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_IOP_220180402T144943_20180402T153919_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_IOP_2_20180402T153919_20180402T162857_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_IOP_2_20180402T162857_20180402T171833_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_IOP_2_20180402T171833_20180402T180810_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_IOP_2_20180402T180810_20180402T185746_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_IOP_2_20180402T185746_20180402T194723_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_IOP_2_20180402T194723_20180402T203700_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_IOP_2_20180402T203700_20180402T212637_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_IOP_2_20180402T212637_20180402T221613_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_IOP_2_20180402T221613_20180402T230551_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_IOP_2_20180402T230551_20180402T235527_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.

CS_OFFL_SIR_IOP_2_20180402T004617_20180402T03554_C0001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20180402T03558_20180402T031508_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20180402T031508_20180402T031508_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20180402T031508_20180402T0303355_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20180402T033355_20180402T072311_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20180402T093335_20180402T090225_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20180402T090225_20180402T090225_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20180402T090225_20180402T095202_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20180402T104138_20180402T104138_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20180402T113116_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20180402T11310205_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20180402T1130205_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20180402T1490806_20180402T1303102_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IO	Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20180402T013554_20180402T022531_CO01  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T03558_20180402T0351508_CO01  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T0454356_20180402T045444_CO01  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T053335_20180402T053335_CO01  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T072311_20180402T095225_CO01  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T072312_20180402T095225_CO01  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T095225_20180402T095225_CO01  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T104138_C0180402T104138_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T104138_20180402T113116_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T120552_C0180402T1131029_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T130520_20180402T140405_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T140405_20180402T140405_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T194333_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has	CS_OFFL_SIR_IOP_220180401T235641_20180402T004617_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T032531_20180402T031508_CO01  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T045455_20180402T045444_CO01  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T054355_20180402T054335_CO01  CS_OFFL_SIR_IOP_2_20180402T063335_20180402T054335_CO01  CS_OFFL_SIR_IOP_2_20180402T063335_20180402T054311_20180402T054218_CO01  CS_OFFL_SIR_IOP_2_20180402T072311_20180402T054248_CO01  CS_OFFL_SIR_IOP_2_20180402T05425_20180402T054202_CO01  CS_OFFL_SIR_IOP_2_20180402T05405202_CO01  CS_OFFL_SIR_IOP_2_20180402T104138_CO01  CS_OFFL_SIR_IOP_2_20180402T104138_20180402T104138_CO01  CS_OFFL_SIR_IOP_2_20180402T131029_CO01  CS_OFFL_SIR_IOP_2_20180402T131029_C001  CS_OFFL_SIR_IOP_2_20180402T131029_20180402T131029_C001  CS_OFFL_SIR_IOP_2_20180402T131029_20180402T131029_C001  CS_OFFL_SIR_IOP_2_20180402T140006_C001  CS_OFFL_SIR_IOP_2_20180402T14006_20180402T140435_C001  CS_OFFL_SIR_IOP_2_20180402T14006_20180402T140435_C001  CS_OFFL_SIR_IOP_2_20180402T14006_20180402T140435_C001  CS_OFFL_SIR_IOP_2_20180402T14006_20180402T14006_C001  CS_OFFL_SIR_IOP_2_20180402T14006_20180402T14006_C001  CS_OFFL_SIR_IOP_2_20180402T14006_20180402T14006_C001  CS_OFFL_SIR_IOP_2_20180402T14006_20180402T14006_C001  CS_OFFL_SIR_IOP_2_20180402T14006_20180402T162857_C001  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T171833_C001  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T171833_C001  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T171833_C001  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T171833_C001  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T171833_C001  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T162857_C001  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T162857_C001  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T162857_C001  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T162857_C001  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T162857_C001  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T162857_C001  CS_OFFL_S	CS_OFFL_SIR_IOP_220180402T004617_20180402T013554_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T031508_20180402T040444_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T063385_20180402T072311_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T072311_20180402T081248_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T081248_20180402T080225_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T080225_20180402T090225_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T104138_20180402T104138_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T104138_20180402T113116_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T112052_C0180402T110205_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T1104006_C0180402T140006_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T14943_20180402T162857_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T162857_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T162857_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T17833_20180402T162857_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has be	CS_OFFL_SIR_IOP_220180402T013554_20180402T022531_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T054358_20180402T073311_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T07311_20180402T081248_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T081248_20180402T090225_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T090225_20180402T0905202_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T095202_20180402T104138_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T13116_20180402T13116_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T13116_20180402T122052_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T131029_20180402T131029_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T140006_20180402T1409843_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T1404943_20180402T153919_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T14003_20180402T1162857_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T10433_20180402T11803_0001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T10433_20180402T10433_0001  Ocean Retracking Quality Flag The Ocean Retracking Qu	CS_OFFL_SIR_IOP_220180402T022531_20180402T031508_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T063335_20180402T072311_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T081248_20180402T090225_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T090225_20180402T090225_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T090225_20180402T104138_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T104138_20180402T113116_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T13116_20180402T122052_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T131029_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T131029_C0101  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T131029_C0101  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T14903_C0180402T14903_C0101  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T11833_0180402T162857_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T11833_0180402T183010_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T11833_20180402T185746_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  Ocean Retracking Qu	CS_OFFL_SIR_IOP_220180402T031508_20180402T040444_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T091248_20180402T090225_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T090225_20180402T090225_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T090225_20180402T095202_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T095202_20180402T104138_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T104138_20180402T113116_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T13116_20180402T122052_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T131029_20180402T131029_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T140006_20180402T14006_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T149006_20180402T14943_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T162857_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T171833_20180402T162857_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T193732_20180402T180810_C011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T193732_20180402T203700_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been	CS_OFFL_SIR_IOP_220180402T054358_20180402T063335_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T081248_20180402T090225_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T095202_20180402T104138_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T104138_20180402T113116_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T113116_20180402T1122052_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T1131102_0001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T122052_20180402T131029_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T140006_20180402T144043_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T144943_20180402T144943_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T144943_20180402T153919_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T1833_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T171833_20180402T180810_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T194723_20180402T180810_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T194723_20180402T12637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one o	CS_OFFL_SIR_IOP_220180402T063335_20180402T072311_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T090225_20180402T104138_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T104138_20180402T113116_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T104138_20180402T113116_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T113116_20180402T122052_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T122052_20180402T131029_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T131029_20180402T144943_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T144943_20180402T149010  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T149919_20180402T162857_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T171833_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T171833_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T171833_20180402T180810_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T19473_20180402T180810_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T19473_20180402T203700_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set	CS_OFFL_SIR_IOP_220180402T072311_20180402T081248_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T104138_20180402T104138_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T104138_20180402T122052_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T104138_20180402T102052_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T12052_20180402T140006_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T140006_20180402T140006_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T140006_20180402T144943_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T144943_20180402T153919_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T171833_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T171833_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T180310_20180402T180310_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T1903301_20180402T1003700_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T1903700_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T1003700_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag ha	CS_OFFL_SIR_IOP_220180402T081248_20180402T090225_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T104138_20180402T113116_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T113116_20180402T122052_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T122052_20180402T131029_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T131029_20180402T140006_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T140006_20180402T144943_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T14943_20180402T153919_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T153919_20180402T162857_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T171833_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T171833_20180402T180810_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T194723_20180402T185746_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T194723_20180402T203700_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T194723_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T194723_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has be	CS_OFFL_SIR_IOP_220180402T090225_20180402T095202_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T113116_20180402T122052_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T12052_20180402T131029_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T131029_20180402T140006_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T14006_20180402T144943_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T144943_20180402T153919_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T171833_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T171833_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T1780810_20180402T180810_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T194723_20180402T203700_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T194723_20180402T203700_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T203700_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T203700_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T212637_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has be	CS_OFFL_SIR_IOP_220180402T095202_20180402T104138_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T122052_20180402T131029_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T140006_20180402T144943_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T144943_20180402T1453919_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T153919_20180402T153919_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T153919_20180402T171833_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T171833_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T171833_20180402T180810_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T190810_20180402T18070_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T194723_20180402T203700_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T194723_20180402T203700_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T203700_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T203700_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220180402T104138_20180402T113116_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T131029_20180402T144943_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T140006_20180402T144943_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T14393_20180402T153919_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T153919_20180402T162857_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T171833_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T171833_20180402T180810_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T180810_20180402T185746_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T194723_20180402T203700_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T203700_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T203700_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T212637_20180402T212637_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_IOP_220180402T113116_20180402T122052_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T140006_20180402T144943_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.  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.  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.  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.  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.  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.  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.  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_IOP_220180402T122052_20180402T131029_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T144943_20180402T162857_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T153919_20180402T162857_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T171833_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T171833_20180402T180810_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T180810_20180402T185746_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T194723_20180402T203700_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T194723_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T203700_20180402T212637_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.  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220180402T131029_20180402T140006_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T153919_20180402T162857_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T162857_20180402T171833_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T171833_20180402T180810_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T180810_20180402T185746_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T194723_20180402T203700_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T203700_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T203700_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T212637_20180402T212633_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220180402T140006_20180402T144943_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T162857_20180402T171833_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T171833_20180402T180810_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T180810_20180402T185746_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T194723_20180402T203700_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T203700_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T203700_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  The Ocean Retracking Quality Flag has been set for one or more records.  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220180402T144943_20180402T153919_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T171833_20180402T180810_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T180810_20180402T185746_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T194723_20180402T203700_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T203700_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T203700_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220180402T153919_20180402T162857_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T180810_20180402T185746_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T194723_20180402T203700_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T203700_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T212637_20180402T212633_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220180402T162857_20180402T171833_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T194723_20180402T203700_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T203700_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T212637_20180402T221613_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220180402T171833_20180402T180810_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T203700_20180402T212637_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20180402T212637_20180402T221613_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220180402T180810_20180402T185746_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T212637_20180402T221613_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220180402T194723_20180402T203700_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
	CS_OFFL_SIR_IOP_220180402T203700_20180402T212637_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20180402T221613_20180402T230551_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220180402T212637_20180402T221613_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
	CS_OFFL_SIR_IOP_220180402T221613_20180402T230551_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.

CS_OFFL_SIR_IOP_220180402T230551_20180402T235527_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180402T235527_20180403T004504_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.