



## 1. Overview

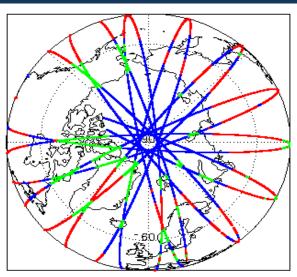
Report Production:	05-Mar-2019
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

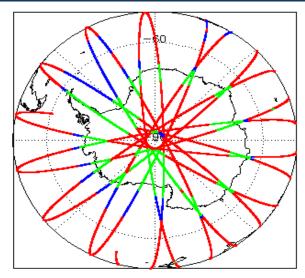
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary 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

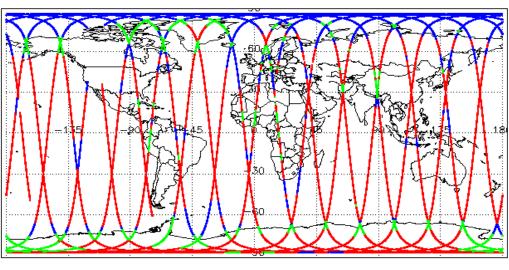
Mission / Instrument News		
27-Feb-2019	None	
28-Feb-2019	None	

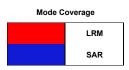
01-Mar-2019 Nothing planned

# 2. Global Coverage









# 3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

# 4. 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:

Ω

#### 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_20190228T033643_20190228T034417_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20190228T140101_20190228T143439_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190228T004057_20190228T004109_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190228T035820_20190228T035941_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190228T040249_20190228T040515_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190228T053243_20190228T053322_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190228T055442_20190228T055533_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190228T071655_20190228T072145_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190228T104041_20190228T104217_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190228T120418_20190228T120545_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190228T134730_20190228T135037_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190228T170223_20190228T170524_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190228T170635_20190228T170849_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190228T002926_20190228T003927_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190228T165809_20190228T165955_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:

0

### 5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

0

### 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20190228T004859_20190228T005034_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_20190227T235512_20190228T001743_C001	TOcean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

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CS_OFFL_SIR_IOPM_2_20190228T002029_20190228T002925_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T004213_20190228T004537_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T010144_20190228T010704_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T010822_20190228T012133_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T012342_20190228T012835_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T013413_20190228T014058_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T014103_20190228T020705_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T022859_20190228T025612_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T025930_20190228T025946_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T031417_20190228T033038_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T033040_20190228T033202_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T033643_20190228T034417_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190228T040515 20190228T042043 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T042257_20190228T043754_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T044438_20190228T044653_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190228T044733 20190228T045152 C001	Ice Range Averaging Status	records.  The Ice Range Averaging Status Flag has been set for one or more
		records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T045330_20190228T050831_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T051010_20190228T052613_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T054814_20190228T055442_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T055533_20190228T055811_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20190228T060425_20190228T061954_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T062228_20190228T063057_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T063309_20190228T065558_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T073143_20190228T075912_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T080133_20190228T080327_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T080420_20190228T080906_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T081145_20190228T081502_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T081512_20190228T083811_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T091043_20190228T092038_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T092617_20190228T093820_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T094339_20190228T094935_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T095104_20190228T101121_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T102728_20190228T102918_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T104217_20190228T111653_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T112246_20190228T112806_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190228T112945 20190228T113307 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T113443_20190228T113605_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190228T122213 20190228T123046 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190228T123332 20190228T125616 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T130255_20190228T130701_C001	Ice Range Averaging Status	records.  The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T130827_20190228T132207_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_20190228T132354_20190228T133001_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T133143_20190228T133628_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T140101_20190228T143439_C001	Ocean Range Averaging Status	records.  The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T143641_20190228T144146_C001	Ice Range Averaging Status	records.  The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T144152_20190228T144159_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T144206_20190228T144510_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20190228T144748_20190228T144951_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T145247_20190228T152339_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T154312_20190228T155127_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T155214_20190228T161356_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOPM_2_20190228T161537_20190228T162044_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T163025_20190228T164022_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T164641_20190228T165809_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T172044_20190228T173627_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T173807_20190228T175249_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T175454_20190228T175955_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T180036_20190228T180138_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T180821_20190228T183018_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T190906_20190228T193231_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T194518_20190228T201414_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T204521_20190228T211141_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T211316_20190228T211825_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T211832_20190228T212200_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T212456_20190228T213630_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T214208_20190228T215909_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T222155_20190228T222809_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T224505_20190228T225129_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T225932_20190228T230100_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T230419_20190228T233801_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T235155_20190228T235244_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190228T045152_20190228T045330_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190228T225858_20190228T225932_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190228T031408_20190228T031417_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190228T035105_20190228T035711_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190228T053200_20190228T053243_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190228T123046_20190228T123331_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190228T225130_20190228T225154_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_20190227T235512_20190228T001743_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_20190228T002029_20190228T002925_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_20190228T004213_20190228T004537_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_20190228T010144_20190228T010704_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_20190228T010822_20190228T012133_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_20190228T012342_20190228T012835_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T013413_20190228T014058_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_20190228T014103_20190228T020705_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_20190228T022859_20190228T025612_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_20190228T025930_20190228T025946_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_20190228T031417_20190228T033038_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_20190228T033040_20190228T033202_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_20190228T033643_20190228T034417_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_20190228T040515_20190228T042043_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_20190228T042257_20190228T043754_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_20190228T044733_20190228T045152_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOPM_2_20190228T045330_20190228T050831_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_20190228T051010_20190228T052613_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_20190228T054814_20190228T055442_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_20190228T055533_20190228T055811_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_20190228T060425_20190228T061954_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_20190228T062228_20190228T063057_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190228T063309 20190228T065558 C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS OFFL SIR IOPM 2 20190228T073143 20190228T075912 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_20190228T080133_20190228T080327_C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
		records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T080420_20190228T080906_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_20190228T081512_20190228T083811_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_20190228T091043_20190228T092038_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_20190228T092617_20190228T093820_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20190228T094339_20190228T094935_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T095104_20190228T101121_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_20190228T104217_20190228T111653_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_20190228T112246_20190228T112806_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T112945_20190228T113307_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_20190228T113443_20190228T113605_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_20190228T122213_20190228T123046_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_20190228T123332_20190228T125616_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_20190228T130255_20190228T130701_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T130827_20190228T132207_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20190228T133143_20190228T133628_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_20190228T140101_20190228T143439_C001	Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T143641_20190228T144146_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T144152_20190228T144159_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_20190228T144748_20190228T144951_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_20190228T145247_20190228T152339_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_IOPM_2_20190228T154312_20190228T155127_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_20190228T155214_20190228T161356_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_20190228T161537_20190228T162044_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T163025_20190228T164022_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_20190228T164641_20190228T165809_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_20190228T172044_20190228T173627_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_20190228T173807_20190228T175249_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_20190228T175454_20190228T175955_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T180036_20190228T180138_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T180821_20190228T183018_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_IOPM_2_20190228T183202_20190228T184002_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_20190228T190906_20190228T193231_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T193918_20190228T193927_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_20190228T194518_20190228T201414_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_20190228T204521_20190228T211141_C001	Backscatter Averaging Status	more records.  The loe Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190228T211316_20190228T211825_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20190228T211832_20190228T212200_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T212456_20190228T213630_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_20190228T214208_20190228T215909_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_20190228T222155_20190228T222809_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_20190228T224505_20190228T225129_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_20190228T225315_20190228T225858_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOPM_2_20190228T225932_20190228T230100_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190228T230419_20190228T233801_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_20190228T235155_20190228T235244_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_20190228T045152_20190228T045330_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_20190228T225858_20190228T225932_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190228T031408_20190228T031417_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_20190228T035105_20190228T035711_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_20190228T053200_20190228T053243_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_20190228T123046_20190228T123331_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_20190228T225130_20190228T225154_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

63

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_220190228T003818_20190228T012758_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_220190227T234844_20190228T003818_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190228T003818_20190228T012758_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_220190228T012758_20190228T021732_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190228T021732_20190228T030711_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_220190228T030711_20190228T035645_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190228T035645_20190228T044625_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_220190228T044625_20190228T053559_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_220190228T053559_20190228T062538_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_220190228T062538_20190228T071513_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_220190228T071513_20190228T080452_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190228T080452_20190228T085426_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_220190228T085426_20190228T094406_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190228T094406_20190228T103340_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_220190228T103340_20190228T112319_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_220190228T112319_20190228T121253_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190228T121253_20190228T130233_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_220190228T130233_20190228T135207_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_220190228T135207_20190228T144146_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_220190228T144146_20190228T153120_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_220190228T153120_20190228T162100_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_220190228T162100_20190228T171034_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190228T171034_20190228T180013_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_220190228T184948_20190228T193927_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_220190228T193927_20190228T202901_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190228T202901_20190228T211841_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_220190228T211841_20190228T220815_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_220190228T220815_20190228T225754_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_220190228T225754_20190228T234728_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_220190228T234728_20190301T003708_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

## 6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220190227T234844_20190228T003818_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_220190228T003818_20190228T012758_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_220190228T012758_20190228T021732_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_20190228T021732_20190228T030711_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_220190228T030711_20190228T035645_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_220190228T035645_20190228T044625_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_220190228T044625_20190228T053559_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_220190228T053559_20190228T062538_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_220190228T062538_20190228T071513_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_220190228T071513_20190228T080452_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_220190228T080452_20190228T085426_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_220190228T085426_20190228T094406_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_220190228T094406_20190228T103340_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_220190228T103340_20190228T112319_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_220190228T112319_20190228T121253_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_220190228T121253_20190228T130233_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_220190228T130233_20190228T135207_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_220190228T135207_20190228T144146_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_220190228T144146_20190228T153120_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_220190228T153120_20190228T162100_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_220190228T162100_20190228T171034_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_220190228T171034_20190228T180013_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_220190228T184948_20190228T193927_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_220190228T193927_20190228T202901_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_220190228T202901_20190228T211841_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_220190228T211841_20190228T220815_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_220190228T220815_20190228T225754_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_220190228T225754_20190228T234728_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_220190228T234728_20190301T003708_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean 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_20190228T112319_20190228T121253_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T112319_20190228T121253_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T121253_20190228T135207_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T135207_20190228T144146_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T144146_20190228T153120_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T153120_20190228T162100_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T171034_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T171034_20190228T193927_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T184948_20190228T193927_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T193927_20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T211841_20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set	Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20190228T012758_20190228T021732_C01010228T021732_20190228T030711_C0011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T030711_20190228T035645_C0011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T030545_20190228T035645_C0011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T035559_C0190228T085559_C0011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T062538_C00190228T085559_C0011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T085452_C00190228T085452_C0011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T085452_C00190228T085452_C0011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T086452_C0190228T084466_C0011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T094408_C0190228T103340_C0011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T103340_20190228T103330_C0011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T103330_20190228T112530_C0011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T103330_20190228T110340_C0011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T1032030_2028T103400_C0011  Ocean Retracking Quality	CS_OFFL_SIR_IOP_220190227T234844_20190228T003818_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T030711_20190228T030545_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T035645_20190228T035645_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T035645_20190228T035559_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T035559_20190228T035559_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T082538_C00190228T085458_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T085458_C00100228T080452_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T084546_C0190228T094406_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T094406_C0190228T103340_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T103340_20190228T112259_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T103340_20190228T112253_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T135120_20190228T1130340_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T135120_20190228T1903407_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Fla	CS_OFFL_SIR_IOP_220190228T003818_20190228T012758_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T030711_20190228T035645_C001  Coan 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_20190228T04625_0190228T065559_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T065559_20190228T065559_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T06558_20190228T06558_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T06558_20190228T065542_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T065452_0190228T06542_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T06546_20190228T06540_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T06546_20190228T103340_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T112319_C0190228T112319_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T121253_20190228T132033_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T1320323_20190228T13203_C001  Coan Retracking Quality Flag  The Ocean Retracking Quality F	CS_OFFL_SIR_IOP_220190228T012758_20190228T021732_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T04625_20190228T04625_C001  CS_OFFL_SIR_IOP_2_20190228T04625_20190228T04625_S0190228T046462_S0190228T046464_S0190228T046466_S019046464_S0190246466_S019046466_S019046666_S019046666_S019046666_S019046666_S0190466666666666666666666666666666666666	CS_OFFL_SIR_IOP_220190228T021732_20190228T030711_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_JOP_2_20190228T03559_20190228T062538_C001  Cs_OFFL_SIR_JOP_2_20190228T062538_20190228T071513_C001  Cs_OFFL_SIR_JOP_2_20190228T062538_20190228T071513_C001  Cs_OFFL_SIR_JOP_2_20190228T062538_20190228T080452_C001  Cs_OFFL_SIR_JOP_2_20190228T080452_20190228T080452_C001  Cs_OFFL_SIR_JOP_2_20190228T080452_20190228T080452_C001  Cs_OFFL_SIR_JOP_2_20190228T080452_20190228T080452_C001  Cs_OFFL_SIR_JOP_2_20190228T080452_20190228T080452_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  Cs_OFFL_SIR_JOP_2_20190228T080452_20190228T080465_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  Cs_OFFL_SIR_JOP_2_20190228T0804062_20190228T103340_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  Cs_OFFL_SIR_JOP_2_20190228T103340_20190228T112319_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  Cs_OFFL_SIR_JOP_2_20190228T112319_20190228T103033_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  Cs_OFFL_SIR_JOP_2_20190228T112333_20190228T130233_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  Cs_OFFL_SIR_JOP_2_20190228T1130233_20190228T130233_C01	CS_OFFL_SIR_IOP_220190228T030711_20190228T035645_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T062538_20190228T071513_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T062538_20190228T0761513_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T086452_C0190228T086452_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T086452_C0190228T08406_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T086426_C0190228T094406_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T094028T103340_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T103340_20190228T112319_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T112319_20190228T11253_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T112332_20190228T130233_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T135207_20190228T13510_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T16210_20190228T16010_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T17034_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T1693927_20190228T160013_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for o	CS_OFFL_SIR_IOP_220190228T035645_20190228T044625_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T062538_20190228T080452_C001  CS_OFFL_SIR_IOP_2_20190228T080452_C001  CS_OFFL_SIR_IOP_2_20190228T080452_C001  CS_OFFL_SIR_IOP_2_20190228T080452_C001  CS_OFFL_SIR_IOP_2_20190228T080452_C001  CS_OFFL_SIR_IOP_2_20190228T080452_C00190228T080406_C001  CS_OFFL_SIR_IOP_2_20190228T080406_C0190228T103340_C001  CS_OFFL_SIR_IOP_2_20190228T093406_C0190228T112319_C001  CS_OFFL_SIR_IOP_2_20190228T103340_C0190228T112319_C001  CS_OFFL_SIR_IOP_2_20190228T103340_C0190228T112319_C001  CS_OFFL_SIR_IOP_2_20190228T112319_20190228T112319_C001  CS_OFFL_SIR_IOP_2_20190228T112319_20190228T12253_C001  CS_OFFL_SIR_IOP_2_20190228T13330_20190228T121253_C001  CS_OFFL_SIR_IOP_2_20190228T130333_20190228T130333_C001  CS_OFFL_SIR_IOP_2_20190228T130333_20190228T130333_C001  CS_OFFL_SIR_IOP_2_20190228T130333_20190228T130333_C001  CS_OFFL_SIR_IOP_2_20190228T141253_C0190228T130333_C001  CS_OFFL_SIR_IOP_2_20190228T144146_C001  CS_OFFL_SIR_IOP_2_20190228T144146_C001  CS_OFFL_SIR_IOP_2_20190228T144146_C001  CS_OFFL_SIR_IOP_2_20190228T144146_C0190228T153120_C001  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T162100_C001  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T10013_C001  CCCCAN Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T10013_C001  CCCCAN REtracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T10012601128T10013  CCCCAN REtracking Quality Flag  The Ocean	CS_OFFL_SIR_IOP_220190228T044625_20190228T053559_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T080452_0190228T080452_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T080452_0190228T080406_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T094406_20190228T103340_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T103340_20190228T112319_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T112319_20190228T121253_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T121253_20190228T130233_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T130233_20190228T135207_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T130233_20190228T135207_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T144146_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T162100_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T11034_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T18448_20190228T19032T_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T18448_20190228T20901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or mor	CS_OFFL_SIR_IOP_220190228T053559_20190228T062538_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T080452_20190228T094406_C001  CS_OFFL_SIR_IOP_2_20190228T094406_20190228T094406_C001  CS_OFFL_SIR_IOP_2_20190228T094406_20190228T103340_C001  CS_OFFL_SIR_IOP_2_20190228T094406_20190228T112319_C001  CS_OFFL_SIR_IOP_2_20190228T103340_20190228T112319_C001  CS_OFFL_SIR_IOP_2_20190228T112319_20190228T112319_C001  CS_OFFL_SIR_IOP_2_20190228T112319_20190228T121253_C001  CS_OFFL_SIR_IOP_2_20190228T112319_20190228T121253_C001  CS_OFFL_SIR_IOP_2_20190228T121253_20190228T130333_C001  CS_OFFL_SIR_IOP_2_20190228T130333_20190228T135207_C001  CS_OFFL_SIR_IOP_2_20190228T130233_20190228T135207_C001  CS_OFFL_SIR_IOP_2_20190228T135207_20190228T144146_C001  CS_OFFL_SIR_IOP_2_20190228T144146_20190228T153120_C001  CS_OFFL_SIR_IOP_2_20190228T144146_20190228T153120_C001  CS_OFFL_SIR_IOP_2_20190228T153120_20190228T162100_C001  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T171034_C001  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T171034_C001  CS_OFFL_SIR_IOP_2_20190228T171034_20190228T171034_C001  CS_OFFL_SIR_IOP_2_20190228T171034_20190228T180013_C001  CS_OFFL_SIR_IOP_2_20190228T171034_20190228T180013_C001  CS_OFFL_SIR_IOP_2_20190228T171034_20190228T180013_C001  CS_OFFL_SIR_IOP_2_20190228T171034_20190228T193927_C001  CCean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T171034_20190228T193927_C001  CCEAN Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T171034_20190228T193927_C001  CCEAN Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T193927_20190228T193927_C001  CCEAN Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T193927_20190228T193927_C001  CCEAN Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T193927_20190228T203901_C001  CCEAN Retracki	CS_OFFL_SIR_IOP_220190228T062538_20190228T071513_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T085426_20190228T103440_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T10340_20190228T112319_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T112319_20190228T11253_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T112319_20190228T121253_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T121253_20190228T130233_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T130233_20190228T135207_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T135207_20190228T144146_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T144146_20190228T153120_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T162100_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T171034_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T184948_20190228T19992T_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T19392T_20190228T211841_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T19392T_20190228T211841_C001  Coean Retracking Quality Flag  The Ocean Retracking Quality Flag has bee	CS_OFFL_SIR_IOP_220190228T071513_20190228T080452_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T103340_20190228T103340_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T112319_20190228T121253_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T112319_20190228T130233_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T130233_20190228T130233_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T130233_20190228T135207_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T135207_20190228T144146_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T144146_20190228T153120_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T162100_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T17034_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T184948_20190228T193927_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T1841_20190228T202901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T193927_20190228T20315_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T201901_20190228T201815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been	CS_OFFL_SIR_IOP_220190228T080452_20190228T085426_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T112319_20190228T121253_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T112319_20190228T121253_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T121253_20190228T135207_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T135207_20190228T144146_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T144146_20190228T153120_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T153120_20190228T162100_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T171034_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T171034_20190228T193927_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T184948_20190228T193927_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T193927_20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T211841_20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set	CS_OFFL_SIR_IOP_220190228T085426_20190228T094406_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T112319_20190228T121253_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T121253_20190228T130233_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T135207_20190228T135207_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T135207_20190228T144146_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T144146_20190228T153120_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T153120_20190228T162100_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T170134_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T184948_20190228T180013_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T193927_20190228T193927_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T193927_20190228T202901_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T193927_20190228T211841_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T201901_20190228T211841_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T201901_20190228T211841_C001  Ccean Retracking Quality Flag  The Ocean Retracking Quality Flag has b	CS_OFFL_SIR_IOP_220190228T094406_20190228T103340_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T130233_20190228T130233_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T130233_20190228T144146_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T1414146_20190228T153120_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T1414146_20190228T153120_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T153120_20190228T162100_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T171034_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T171034_20190228T180013_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T184948_20190228T193927_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T193927_20190228T202901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T21841_20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T21841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T21841_20190228T20815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190228T103340_20190228T112319_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T130233_20190228T144146_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T144146_20190228T153120_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T153120_20190228T162100_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T162100_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T171034_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T171034_20190228T180013_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T184948_20190228T193927_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T193927_20190228T202901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T202901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T202901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T202901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190228T112319_20190228T121253_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T144146_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T144146_20190228T153120_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T153120_20190228T162100_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T171034_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T171034_20190228T180013_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T184948_20190228T193927_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T193927_20190228T202901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T202901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T211841_20190228T220815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T211841_20190228T220815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190228T121253_20190228T130233_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T144146_20190228T153120_C001  CS_OFFL_SIR_IOP_2_20190228T153120_20190228T162100_C001  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T162100_C001  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T171034_C001  CS_OFFL_SIR_IOP_2_20190228T171034_20190228T180013_C001  CS_OFFL_SIR_IOP_2_20190228T171034_20190228T180013_C001  CS_OFFL_SIR_IOP_2_20190228T184948_20190228T193927_C001  CS_OFFL_SIR_IOP_2_20190228T184948_20190228T193927_C001  CS_OFFL_SIR_IOP_2_20190228T193927_20190228T202901_C001  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T202901_C001  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T21841_C001  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T21841_C001  CS_OFFL_SIR_IOP_2_20190228T21841_20190228T202815_C001  CS_OFFL_SIR_IOP_2_20190228T21841_20190228T20815_C001  CS_OFFL_SIR_IOP_2_20190228T20815_C001  CS_OFFL_SIR_IOP_2_20190228T20815_C001  CS_OFFL_SIR_IOP_2_20190228T20815_C001  CS_OFFL_SIR_IOP_2_20190228T20815_C001  CS_OFFL_SIR_IOP_2_20190228T20815_C001  CS_OFFL_SIR_IOP_2_20190228T20815_C001  CS_OFFL_SIR_IOP_2_20190228T20815_C001  CS_OFFL_SIR_IOP_2_20190228T20815_C001  CS_OFFL_SIR_IOP_2_20190228T20815_C001	CS_OFFL_SIR_IOP_220190228T130233_20190228T135207_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T162100_20190228T162100_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T162100_20190228T171034_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T171034_20190228T180013_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T184948_20190228T193927_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T193927_20190228T202901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T211841_20190228T220815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190228T135207_20190228T144146_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T162100_20190228T171034_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T171034_20190228T180013_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T184948_20190228T193927_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T193927_20190228T202901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T20190228T211841_20190228T220815_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.	CS_OFFL_SIR_IOP_220190228T144146_20190228T153120_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T171034_20190228T180013_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T184948_20190228T193927_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T193927_20190228T202901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190228T153120_20190228T162100_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T184948_20190228T193927_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T20190228T202901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T211841_20190228T220815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190228T162100_20190228T171034_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T193927_20190228T202901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T202901_20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T211841_20190228T220815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190228T171034_20190228T180013_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T202901_20190228T211841_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_IOP_2_20190228T211841_20190228T220815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190228T184948_20190228T193927_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T211841_20190228T220815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190228T193927_20190228T202901_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
	CS_OFFL_SIR_IOP_220190228T202901_20190228T211841_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
0.0551 010 100 0.00000000000000000000000	CS_OFFL_SIR_IOP_220190228T211841_20190228T220815_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
US_OFFL_SIK_IOF_2_201902281220815_201902281225/54_C001	CS_OFFL_SIR_IOP_220190228T220815_20190228T225754_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T225754_20190228T234728_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190228T225754_20190228T234728_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190228T234728_20190301T003708_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190228T234728_20190301T003708_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.