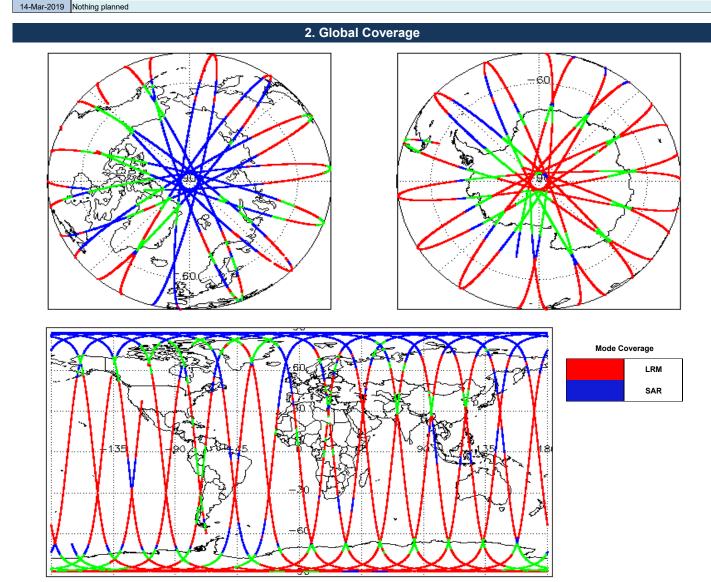


# IDEAS+ Daily Report for IOP data:

# <u>13/03/2019</u>

1. Overview				
	18-Mar-2019	Check	L1 & L2	P2P
Report Production:		Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
		Product Software Check	Nominal	Nominal
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data	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 12-Mar-2019 None 13-Mar-2019 None



# 3. Instrument Configuration

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

SIRAL - A

0

SIRAL instrument(s) in use:

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:

### 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. Number of products with errors: 0

Each product is checked for missing Data Set Descriptors with respect to a pre-	e-determined baseline and also to	check the validity of Auxiliary Data Files is correct.	
Number of products with errors: 0			
I.4 L1B Auxiliary Correction Error Check			
CryoSat L1B data includes a correction error flag for each measurement recor	d. The bit value of this flag indicat	es any problems when set.	
Number of products with errors: 0			
4.5 L1B Measurement Confidence Data Check			
CryoSat L1B data includes a measurement confidence flag for each measurer	nent record. The bit value of this f	ag indicates any problems when set.	
Attitude Correction Missing: This flag is currently set in error for IOPR produ	icts due to a configuration issue. ∃	his is being investigated and will be updated in the next SW update.	
Number of products with errors: 0			
4.6 L1B Waveform Group Data Check			
CryoSat L1B data includes a waveform data flag for each measurement record	d. The bit value of this flag indicate	es any problems when set.	
Loss of Echo Flag: This flag is currently set for products over land, but this is	-	••	
Number of products with errors: 21			
Product	Test Failed	Description	
CS_OFFL_SIR_IOPM1B_20190313T040543_20190313T041505_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPM1B_20190313T044305_20190313T045410_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPM1B_20190313T050018_20190313T050632_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPM1B_20190313T080328_20190313T081511_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPM1B_20190313T162035_20190313T163101_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPM1B_20190313T172137_20190313T172450_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPM1B_20190313T172137_20190313T172450_C001 CS_OFFL_SIR_IOPN1B_20190313T034627_20190313T034805_C001	Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPN1B_20190313T034627_20190313T034805_C001	Loss of Echo	The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPN1B_20190313T034627_20190313T034805_C001 CS_OFFL_SIR_IOPN1B_20190313T043208_20190313T043316_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPN1B_20190313T034627_20190313T034805_C001 CS_OFFL_SIR_IOPN1B_20190313T043208_20190313T043316_C001 CS_OFFL_SIR_IOPN1B_20190313T050632_20190313T050951_C001 CS_OFFL_SIR_IOPN1B_20190313T084411_20190313T084534_C001	Loss of Echo Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPN1B_20190313T034627_20190313T034805_C001 CS_OFFL_SIR_IOPN1B_20190313T043208_20190313T043316_C001 CS_OFFL_SIR_IOPN1B_20190313T050632_20190313T050951_C001 CS_OFFL_SIR_IOPN1B_20190313T084411_20190313T084534_C001 CS_OFFL_SIR_IOPN1B_20190313T160112_20190313T160328_C001	Loss of Echo Loss of Echo Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPN1B_20190313T034627_20190313T034805_C001 CS_OFFL_SIR_IOPN1B_20190313T043208_20190313T043316_C001 CS_OFFL_SIR_IOPN1B_20190313T050632_20190313T050951_C001 CS_OFFL_SIR_IOPN1B_20190313T084411_20190313T084534_C001 CS_OFFL_SIR_IOPN1B_20190313T160112_20190313T160328_C001 CS_OFFL_SIR_IOPN1B_20190313T173653_20190313T174205_C001	Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPN1B_20190313T034627_20190313T034805_C001 CS_OFFL_SIR_IOPN1B_20190313T043208_20190313T043316_C001 CS_OFFL_SIR_IOPN1B_20190313T050632_20190313T050951_C001 CS_OFFL_SIR_IOPN1B_20190313T084411_20190313T084534_C001 CS_OFFL_SIR_IOPN1B_20190313T160112_20190313T160328_C001 CS_OFFL_SIR_IOPN1B_20190313T173653_20190313T174205_C001 CS_OFFL_SIR_IOPN1B_20190313T183615_20190313T183903_C001	Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPN1B_20190313T034627_20190313T034805_C001 CS_OFFL_SIR_IOPN1B_20190313T043208_20190313T043316_C001 CS_OFFL_SIR_IOPN1B_20190313T050632_20190313T050951_C001 CS_OFFL_SIR_IOPN1B_20190313T084411_20190313T084534_C001 CS_OFFL_SIR_IOPN1B_20190313T160112_20190313T160328_C001 CS_OFFL_SIR_IOPN1B_20190313T173653_20190313T174205_C001 CS_OFFL_SIR_IOPN1B_20190313T183615_20190313T183903_C001 CS_OFFL_SIR_IOPN1B_20190313T033139_20190313T033639_C001	Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPN1B_20190313T034627_20190313T034805_C001 CS_OFFL_SIR_IOPN1B_20190313T043208_20190313T043316_C001 CS_OFFL_SIR_IOPN1B_20190313T050632_20190313T050951_C001 CS_OFFL_SIR_IOPN1B_20190313T084411_20190313T084534_C001 CS_OFFL_SIR_IOPN1B_20190313T160112_20190313T160328_C001 CS_OFFL_SIR_IOPN1B_20190313T160112_20190313T160328_C001 CS_OFFL_SIR_IOPN1B_20190313T173653_20190313T174205_C001 CS_OFFL_SIR_IOPN1B_20190313T183615_20190313T183903_C001 CS_OFFL_SIR_IOPN1B_20190313T033139_20190313T033639_C001 CS_OFFL_SIR_IOPR1B_20190313T043534_20190313T044007_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPN1B_20190313T034627_20190313T034805_C001           CS_OFFL_SIR_IOPN1B_20190313T043208_20190313T043316_C001           CS_OFFL_SIR_IOPN1B_20190313T050632_20190313T050951_C001           CS_OFFL_SIR_IOPN1B_20190313T084411_20190313T084534_C001           CS_OFFL_SIR_IOPN1B_20190313T064411_20190313T160328_C001           CS_OFFL_SIR_IOPN1B_20190313T160112_20190313T160328_C001           CS_OFFL_SIR_IOPN1B_20190313T173653_20190313T174205_C001           CS_OFFL_SIR_IOPN1B_20190313T183615_20190313T183903_C001           CS_OFFL_SIR_IOPN1B_20190313T033139_20190313T033639_C001           CS_OFFL_SIR_IOPR1B_20190313T0443534_20190313T044007_C001           CS_OFFL_SIR_IOPR1B_20190313T043534_20190313T044007_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPN1B_20190313T034627_20190313T034805_C001 CS_OFFL_SIR_IOPN1B_20190313T043208_20190313T043316_C001 CS_OFFL_SIR_IOPN1B_20190313T050632_20190313T050951_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPN1B_20190313T034627_20190313T034805_C001           CS_OFFL_SIR_IOPN1B_20190313T043208_20190313T043316_C001           CS_OFFL_SIR_IOPN1B_20190313T050632_20190313T050951_C001           CS_OFFL_SIR_IOPN1B_20190313T084411_20190313T084534_C001           CS_OFFL_SIR_IOPN1B_20190313T064411_20190313T160328_C001           CS_OFFL_SIR_IOPN1B_20190313T160112_20190313T160328_C001           CS_OFFL_SIR_IOPN1B_20190313T16353_20190313T174205_C001           CS_OFFL_SIR_IOPN1B_20190313T183615_20190313T174205_C001           CS_OFFL_SIR_IOPN1B_20190313T033139_20190313T033639_C001           CS_OFFL_SIR_IOPN1B_20190313T044354_20190313T044007_C001           CS_OFFL_SIR_IOPR1B_20190313T044534_20190313T044304_C001           CS_OFFL_SIR_IOPR1B_20190313T044113_20190313T044304_C001           CS_OFFL_SIR_IOPR1B_20190313T044314_20190313T044304_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records	
CS_OFFL_SIR_IOPN1B_20190313T034627_20190313T034805_C001           CS_OFFL_SIR_IOPN1B_20190313T043208_20190313T043316_C001           CS_OFFL_SIR_IOPN1B_20190313T050632_20190313T050951_C001           CS_OFFL_SIR_IOPN1B_20190313T084411_20190313T084534_C001           CS_OFFL_SIR_IOPN1B_20190313T064411_20190313T160328_C001           CS_OFFL_SIR_IOPN1B_20190313T160112_20190313T160328_C001           CS_OFFL_SIR_IOPN1B_20190313T173653_20190313T174205_C001           CS_OFFL_SIR_IOPN1B_20190313T183615_20190313T183903_C001           CS_OFFL_SIR_IOPN1B_20190313T033139_20190313T033639_C001           CS_OFFL_SIR_IOPR1B_20190313T043534_20190313T044007_C001           CS_OFFL_SIR_IOPR1B_20190313T044113_20190313T044304_C001           CS_OFFL_SIR_IOPR1B_20190313T092033_20190313T092234_C001           CS_OFFL_SIR_IOPR1B_20190313T105130_20190313T05227_C001	<ul> <li>Loss of Echo</li> </ul>	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records 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: 0

## 5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

## 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

1

## 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_20190313T031731_20190313T033139_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.

ean 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. 74

Number of products with errors:

Product Test Faile Description The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190313T002829 20190313T010303 C001 Ocean Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T012748\_20190313T013222\_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190313T013305 20190313T015045 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T015349\_20190313T015440\_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190313T020019 20190313T020215 C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190313T020901 20190313T022634 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T023115\_20190313T023830\_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190313T025827 20190313T031554 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T031731\_20190313T033139\_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T033923\_20190313T034125\_C001 Ice Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T034227\_20190313T034627\_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190313T034805 20190313T040342 C001 Ocean Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T040543\_20190313T041505\_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T044305\_20190313T045410\_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190313T050018 20190313T050632 C001 Ocean Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T050951\_20190313T051434\_C001 Ocean Range Averaging Status ecords The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T051725\_20190313T052529\_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190313T052720 20190313T054255 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190313T061938 20190313T063002 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T063004\_20190313T065333\_C001 Ocean Range Averaging Status ecords The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190313T065605 20190313T065811 C001 Ice Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T065843\_20190313T070412\_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T070639\_20190313T073157\_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T080328\_20190313T081511\_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T082049\_20190313T083227\_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190313T083813 20190313T084258 C001 Ice Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T084534\_20190313T091509\_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T092234\_20190313T092334\_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190313T093740 20190313T101149 C001 Ocean Range Averaging Status ecords The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T101722\_20190313T102252\_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T102417\_20190313T103040\_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190313T110141 20190313T110344 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T111701\_20190313T115115\_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T115624\_20190313T120137\_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190313T120317 20190313T122316 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T125517\_20190313T132858\_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T133204\_20190313T133624\_C001 Ice Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T133642\_20190313T134037\_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190313T134238 20190313T141850 C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T142019\_20190313T142306\_C001 Ice Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T143838\_20190313T144600\_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T145206\_20190313T150826\_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190313T151005 20190313T151522 C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T152554\_20190313T153859\_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOPM\_2\_20190313T154113\_20190313T155310\_C001 Ocean Range Averaging Status records

CS_OFFL_SIR_IOPM_2_20190313T162035_20190313T163101_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T163241_20190313T164741_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T164930_20190313T165433_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T165457_20190313T165611_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T170304_20190313T170403_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T171042_20190313T171510_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T172137_20190313T172450_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T172613_20190313T173322_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T180502_20190313T182643_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T182947_20190313T183349_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T183945_20190313T191443_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T194040_20190313T200621_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T200737_20190313T201303_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T201309_20190313T201635_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T201849_20190313T203102_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T203639_20190313T205226_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T211729_20190313T213701_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T213928_20190313T214604_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T214738_20190313T215541_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T215820_20190313T223254_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T224613_20190313T224714_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T230748_20190313T231551_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T231603_20190313T232532_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T232713_20190313T233229_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190313T065811_20190313T065843_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190313T232548_20190313T232713_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190313T025152_20190313T025302_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190313T115115_20190313T115302_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190313T215653_20190313T215819_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. 67

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20190313T002829_20190313T010303_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_20190313T013305_20190313T015045_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_20190313T020901_20190313T022634_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_20190313T023115_20190313T023830_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_20190313T025827_20190313T031554_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_20190313T031731_20190313T033139_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_20190313T033923_20190313T034125_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T034227_20190313T034627_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190313T034805_20190313T040342_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_20190313T040543_20190313T041505_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_20190313T044305_20190313T045410_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_20190313T050018_20190313T050632_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_20190313T050951_20190313T051434_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_20190313T051725_20190313T052529_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS\_OFFL\_SIR\_IOPM\_2\_20190313T052720\_20190313T054255\_C001 CS OFFL SIR IOPM 2 20190313T061938 20190313T063002 C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T063004\_20190313T065333\_C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T065843\_20190313T070412\_C001 CS OFFL SIR IOPM 2 20190313T070639 20190313T073157 C001 CS OFFL SIR IOPM 2 20190313T080328 20190313T081511 C001 CS OFFL SIR IOPM 2 20190313T082049 20190313T083227 C001 CS OFFL SIR IOPM 2 20190313T083813 20190313T084258 C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T084534\_20190313T091509\_C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T092234\_20190313T092334\_C001 CS OFFL SIR IOPM 2 20190313T093740 20190313T101149 C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T101722\_20190313T102252\_C001 CS OFFL SIR IOPM 2 20190313T110141 20190313T110344 C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T111701\_20190313T115115\_C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T115624\_20190313T120137\_C001 CS OFFL SIR IOPM 2 20190313T120317 20190313T122316 C001 CS OFFL SIR IOPM 2 20190313T125517 20190313T132858 C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T133204\_20190313T133624\_C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T133642\_20190313T134037\_C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T134238\_20190313T141850\_C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T143838\_20190313T144600\_C001 CS OFFL SIR IOPM 2 20190313T145206 20190313T150826 C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T151005\_20190313T151522\_C001 CS OFFL SIR IOPM 2 20190313T152554 20190313T153859 C001 CS OFFL SIR IOPM 2 20190313T154113 20190313T155310 C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T162035\_20190313T163101\_C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T163241\_20190313T164741\_C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T164930\_20190313T165433\_C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T165457\_20190313T165611\_C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T170304 20190313T170403 C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T171042\_20190313T171510\_C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T172613\_20190313T173322\_C001 CS OFFL SIR IOPM 2 20190313T180502 20190313T182643 C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T182947\_20190313T183349\_C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T183945\_20190313T191443\_C001 CS OFFL SIR IOPM 2 20190313T194040 20190313T200621 C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T200737\_20190313T201303\_C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T201309\_20190313T201635\_C001 CS OFFL SIR IOPM 2 20190313T201849 20190313T203102 C001 CS OFFL SIR IOPM 2 20190313T203639 20190313T205226 C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T211729\_20190313T213701\_C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T213928\_20190313T214604\_C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T214738\_20190313T215541\_C001 CS OFFL SIR IOPM 2 20190313T215820 20190313T223254 C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T224613\_20190313T224714\_C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T230748\_20190313T231551\_C001 CS OFFL SIR IOPM 2 20190313T231603 20190313T232532 C001 CS\_OFFL\_SIR\_IOPM\_2\_20190313T232713\_20190313T233229\_C001 CS\_OFFL\_SIR\_IOPN\_2\_20190313T065811\_20190313T065843\_C001 CS OFFL SIR IOPN 2 20190313T232548 20190313T232713 C001 CS\_OFFL\_SIR\_IOPR\_2\_20190313T025152\_20190313T025302\_C001

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status SWH Averaging Status, Ocean

Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status SWH Averaging Status, Ocean

Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records. The Ice Backscatter Averaging Status Flag has been set for one or more

records. The SWH and Ocean Averaging Status Flags have been set for one or

more records. The SWH and Ocean Averaging Status Flags have been set for one or

more records. The SWH and Ocean Averaging Status Flags have been set for one or

more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or 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 records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or 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 records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or 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 records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or 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 records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_IOPR\_2\_20190313T115115\_20190313T115302\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPR 2 20190313T215653 20190313T215819 C001 Backscatter Averaging Status more records 5.8 L2 Ocean Retracking Quality Check CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below Number of products with errors: 54 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) 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 2 20190313T025118 20190313T034058 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. ean Range Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected. Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. Number of products with errors: 28 Pro Test Fai Description The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOP 2 20190313T002231 20190313T011205 C001 Ocean Range Averaging Status records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20190313T011205\_20190313T020144\_C001 Range Averaging Status or more records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status CS\_OFFL\_SIR\_IOP\_2\_\_20190313T020144\_20190313T025118\_C001 records The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOP\_2\_\_20190313T025118\_20190313T034058\_C001 Ocean Range Averaging Status records. Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20190313T034058\_20190313T043032\_C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20190313T043032\_20190313T052011\_C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS OFFL SIR IOP 2 20190313T052011 20190313T060945 C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20190313T060945\_20190313T065925\_C001 Range Averaging Status or more records. Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS OFFL SIR IOP 2 20190313T065925 20190313T074859 C001 Range Averaging Status or more records The Ocean Range Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_IOP\_2\_\_20190313T074859\_20190313T083839\_C001 Ocean Range Averaging Status records. Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20190313T083839\_20190313T092813\_C001 Range Averaging Status or more records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR IOP 2 20190313T092813 20190313T101752 C001 Ocean Range Averaging Status ecords. Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20190313T101752\_20190313T110726\_C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20190313T110726\_20190313T115706\_C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20190313T115706\_20190313T124640\_C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20190313T124640\_20190313T133619\_C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one CS\_OFFL\_SIR\_IOP\_2\_\_20190313T133619\_20190313T142553\_C001 Range Averaging Status or more records Ocean Range Averaging Status, Ice The Ocean and Ice Range Averaging Status Flags have been set for one

Range Averaging Status

Ocean Range Averaging Status

Ocean Range Averaging Status, Ice

Range Averaging Status CS\_OFFL\_SIR\_IOP\_2\_\_20190313T165446\_20190313T174421\_C001 Ocean Range Averaging Status

CS OFFL SIR IOP 2 20190313T142553 20190313T151533 C001

CS\_OFFL\_SIR\_IOP\_2\_\_20190313T151533\_20190313T160507\_C001

CS OFFL SIR IOP 2 20190313T160507 20190313T165446 C001

The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

The Ocean Range Averaging Status Flag has been set for one or more

or more records.

records.

The Ocean Range Averaging Status Flag has been set for one or more records

		The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190313T183400_20190313T192334_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
	0 0 0	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190313T201314_20190313T210248_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
		The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190313T215227_20190313T224201_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 OFFE SIR TOP 2 201903131224201 201903131233141 CO01		The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

#### 6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

Number of products with errors: 28

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220190313T002231_20190313T011205_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_220190313T011205_20190313T020144_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_220190313T020144_20190313T025118_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_220190313T025118_20190313T034058_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_220190313T034058_20190313T043032_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_220190313T043032_20190313T052011_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_220190313T052011_20190313T060945_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_220190313T060945_20190313T065925_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_220190313T065925_20190313T074859_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_220190313T074859_20190313T083839_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_220190313T083839_20190313T092813_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_220190313T092813_20190313T101752_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_220190313T101752_20190313T110726_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_220190313T110726_20190313T115706_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_220190313T115706_20190313T124640_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_220190313T124640_20190313T133619_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_220190313T133619_20190313T142553_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_220190313T142553_20190313T151533_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_220190313T151533_20190313T160507_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_220190313T160507_20190313T165446_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_220190313T165446_20190313T174421_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_220190313T174421_20190313T183400_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_220190313T183400_20190313T192334_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_220190313T192334_20190313T201314_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_220190313T201314_20190313T210248_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_220190313T210248_20190313T215227_C001
CS_OFFL_SIR_IOP_220190313T215227_20190313T224201_C001
CS_OFFL_SIR_IOP_220190313T224201_20190313T233141_C001

SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status, Ice Backscatter Averaging Status, Ice Backscatter Averaging Status

The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.

### 6.8 P2P Ocean Retracking Quality Check

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

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below. Number of products with errors: 28

CS_OFFL_SIR_IOP_2_20190313T025118_20190313T034058_C001 CS_OFFL_SIR_IOP_2_20190313T034058_20190313T043032_C001 CS_OFFL_SIR_IOP_2_20190313T034058_20190313T043032_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T043032_20190313T052011_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T052011_20190313T060945_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T060945_20190313T065925_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T065925_20190313T074859_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T065925_20190313T074859_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T074859_20190313T083839_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T083839_20190313T092813_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T083839_20190313T092813_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T092813_20190313T092813_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T092813_20190313T101752_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has b	Product	Test Failed	Description
CB_OFFL_SIR_IOP_2_20190313T02014_20190313T025118_0001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T034058_20190313T034058_001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T034058_00190313T052011_0001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T050415_0113070469_0001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T05045_0113070469_0001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T05045_0190313T06452_001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T06452_0190313T06452_001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T06452_0190313T00572_001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T10752_0190313T10756_001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_S	CS_OFFL_SIR_IOP_220190313T002231_20190313T011205_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
C2_OFFL_SIR_IOP_2_201003137025118_201003137034058_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           C3_OFFL_SIR_IOP_2_201903137034058_201903137052011_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           C3_OFFL_SIR_IOP_2_201903137052011_20190313706945_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           C3_OFFL_SIR_IOP_2_20190313706945_20190313706945_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           C3_OFFL_SIR_IOP_2_20190313706945_201903137074559_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           C3_OFFL_SIR_IOP_2_201903137074559_201903137074559_201001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           C3_OFFL_SIR_IOP_2_2019031370752_20190313710752_001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           C3_OFFL_SIR_IOP_2_20190313710752_0190313710752_001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           C3_OFFL_SIR_IOP_2_20190313710752_01903137110752_001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190313T011205_20190313T020144_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T034058_20190313T043032_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T043032_20190313T062011_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T060945_20190313T066945_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T065925_20190313T065925_C0010         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T065925_20190313T074859_C0011         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T045923_20190313T01752_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T10728_20190313T10752_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T10728_20190313T107520_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T10728_20190313T105782_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190313T020144_20190313T025118_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
C2_OFFL_SIR_IOP_2_20190313T043032_20190313T052011_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         C3_OFFL_SIR_IOP_2_20190313T05091_20190313T065945_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         C3_OFFL_SIR_IOP_2_20190313T056952_201900313T065925_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         C5_OFFL_SIR_IOP_2_20190313T06592_20190313T074859_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         C5_OFFL_SIR_IOP_2_20190313T074859_20190313T074859_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         C5_OFFL_SIR_IOP_2_20190313T10752_20190313T10752_C0190313T10752_C0190313T10752_C0190313T110726_C010       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         C3_OFFL_SIR_IOP_2_20190313T10752_20190313T116706_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         C3_OFFL_SIR_IOP_2_20190313T164640_20190313T16546_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         C3_OFFL_SIR_IOP_2_20190313T165455_20190313T165455_20190313T165456_20103       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records. <td>CS_OFFL_SIR_IOP_220190313T025118_20190313T034058_C001</td> <td>Ocean Retracking Quality Flag</td> <td>The Ocean Retracking Quality Flag has been set for one or more records.</td>	CS_OFFL_SIR_IOP_220190313T025118_20190313T034058_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
Call         Construction         Construction <thconstruction< th="">         Construction</thconstruction<>	CS_OFFL_SIR_IOP_220190313T034058_20190313T043032_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T065925_001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T065925_0190313T074859_0001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T065925_0190313T074859_00190313T063839_001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T063839_0190313T002813_0001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T10752_0190313T10752_00190313T110726_00190313T110726_00190313T110726_00190313T110726_00190313T110726_00190313T110726_00190313T115706_001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T110726_0190313T116706_001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T116726_0190313T116706_001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T116726_0190313T142653_001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T16546_00190313T142553_00103       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag h	CS_OFFL_SIR_IOP_220190313T043032_20190313T052011_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T074659_20190313T074659_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T074659_20190313T074659_20190313T074659_20190313T074659_20190313T074659_20190313T074659_20190313T074659_20190313T074659_20190313T074659_20190313T074659_20190313T074659_20190313T074659_20190313T074659_20190313T074659_20190313T07282_00190313T0728213_20190313T10752_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T0728213_20190313T10752_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T10752_20190313T110756_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T115766_20190313T1142640_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T124640_20190313T142653_C001         Ocean Retracking Quality Flag         The Ocean Retracking Quality Flag has been set for one or more records.           CS_OFFL_SIR_IOP_2_20190313T165453_20190313T142553_20190313T142553_20190313T165455_20190313T164567_20190313T142553_20190313T142553_20190313T164567_20190313T164567_20190313T164567_20190313T164567_20190313T164567_20190313T164567_20190313T164567_20190313T164567_20190313T164567_20190313T164567_20190313T164567_20190313T164567_20190313T164567_20190313T164567_20190313T164567_20190313T164567_20190313T164567_20190313T164567_2019	CS_OFFL_SIR_IOP_220190313T052011_20190313T060945_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T074859_20190313T083839_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T072813_20190313T101752_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T101752_20190313T101752_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T101752_20190313T101752_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T110726_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T115706_20190313T124640_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T124640_20190313T124640_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T124640_20190313T12553_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T142553_20190313T142553_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T165507_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T16546_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T16546_20190313T16546_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T16546_20190313T16242_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS	CS_OFFL_SIR_IOP_220190313T060945_20190313T065925_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T083839_20190313T092813_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T082813_20190313T10752_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T10752_20190313T10726_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T10726_20190313T115706_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T115706_20190313T142640_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T124640_20190313T142653_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T142553_20190313T142553_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T16553_20190313T16553_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T16553_20190313T16553_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T16546_20190313T16546_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T16546_20190313T174221_20190313T174221_20190313T174221_20190313T174221_20190313T174221_20190313T165446_C001 <t< td=""><td>CS_OFFL_SIR_IOP_220190313T065925_20190313T074859_C001</td><td>Ocean Retracking Quality Flag</td><td>The Ocean Retracking Quality Flag has been set for one or more records.</td></t<>	CS_OFFL_SIR_IOP_220190313T065925_20190313T074859_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T092813_20190313T101752_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T10752_20190313T110726_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T110726_20190313T115706_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T112640_20190313T124640_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T124640_20190313T13619_0001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T142553_20190313T142553_0001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T142553_20190313T151533_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T16553_20190313T16553_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T16553_20190313T16546_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T165446_20190313T16446_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T165446_20190313T1421_0001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T1201314_00190313T192334_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T1201314_20190313T210248_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190313T074859_20190313T083839_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T10752_20190313T110726_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T115706_20190313T115706_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T115706_20190313T124640_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T124640_20190313T133619_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T124640_20190313T142553_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T142553_20190313T151533_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T16553_20190313T16553_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T16553_20190313T165546_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T16546_20190313T16546_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T16546_20190313T17421_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T18400_20190313T192334_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T19234_20190313T201344_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T201344_20190313T210248_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS	CS_OFFL_SIR_IOP_220190313T083839_20190313T092813_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T110726_20190313T115706_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T115706_20190313T12640_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T12640_20190313T13619_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T132619_20190313T142553_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T142553_20190313T16553_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T142553_20190313T16507_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T16546_20190313T165446_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T165446_20190313T165446_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T165446_20190313T165446_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T165446_20190313T16246_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T16340_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for on	CS_OFFL_SIR_IOP_220190313T092813_20190313T101752_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T115706_20190313T124640_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T124640_20190313T142553_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T142553_20190313T142553_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T142553_20190313T151533_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T151533_20190313T160507_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T160507_20190313T166446_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T16464_20190313T174421_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T165446_20190313T192334_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T183400_20190313T192334_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T183400_20190313T192334_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T192334_20190313T210248_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T210248_20190313T210248_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T210248_20190313T215227_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more rec	CS_OFFL_SIR_IOP_220190313T101752_20190313T110726_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T124644_20190313T133619_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T142553_20190313T142553_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T142553_20190313T151533_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T151533_20190313T160507_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T160507_20190313T165446_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T165446_20190313T16446_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T165446_20190313T174421_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T14241_20190313T183400_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T183400_20190313T192334_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T192334_20190313T201314_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T19203314_20190313T210248_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T210248_20190313T210248_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190313T210248_20190313T215227_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more re	CS_OFFL_SIR_IOP_220190313T110726_20190313T115706_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T133619_20190313T142553_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T142553_20190313T161533_20190313T160507_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T160507_20190313T160507_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T160507_20190313T166446_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T165446_20190313T165446_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T165446_20190313T174421_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T183400_20190313T192334_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T192334_20190313T201314_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T201314_20190313T201314_2001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T201314_20190313T201314_2001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T201314_20190313T2012048_C001Ocean Retracking Quality FlagThe Ocean Re	CS_OFFL_SIR_IOP_220190313T115706_20190313T124640_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T142553_20190313T151533_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T151533_20190313T160507_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T160507_20190313T165446_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T165446_20190313T165446_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T165446_20190313T174421_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T163440_20190313T183400_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T183400_20190313T192334_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T192334_20190313T201314_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T201314_20190313T210248_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T210248_20190313T215227_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_	CS_OFFL_SIR_IOP_220190313T124640_20190313T133619_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T151533_20190313T160507_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T165007_20190313T165446_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T165446_20190313T165446_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T165446_20190313T174421_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T174421_20190313T192334_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T192334_20190313T192334_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T192334_20190313T201314_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T201314_20190313T201314_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T201314_20190313T210248_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T210248_20190313T215227_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_001Ceea	CS_OFFL_SIR_IOP_220190313T133619_20190313T142553_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T165446_C01Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T165446_20190313T174421_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T174421_20190313T174421_20190313T174421_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T183400_20190313T192334_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T192334_20190313T201314_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T192334_20190313T201314_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T201314_20190313T201248_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T201314_20190313T215227_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T215227_20190313T215227_20190313T215227_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227_20190313T215227	CS_OFFL_SIR_IOP_220190313T142553_20190313T151533_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T165446_20190313T174421_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T174421_20190313T183400_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T183400_20190313T192334_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T192334_20190313T201314_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T192334_20190313T201314_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T201314_20190313T210248_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T210248_20190313T215227_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T215227_20190313T215227_20190313T215227_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T215227_20190313T215227_20190313T215227_20190313T215227_001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190313T215227_20190313T215227_20190313T215227_001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190313T151533_20190313T160507_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T174421_20190313T183400_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T183400_20190313T192334_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T192334_20190313T201314_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T201314_20190313T210248_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T201314_20190313T210248_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T210248_20190313T215227_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T215227_20190313T215227_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T215227_20190313T215227_001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190313T160507_20190313T165446_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T183400_20190313T192334_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T192334_20190313T201314_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T201314_20190313T201248_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T201248_20190313T215227_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T215227_20190313T215227_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T215227_20190313T215227_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190313T165446_20190313T174421_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T192334_20190313T201314_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T201314_20190313T210248_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T201248_20190313T210248_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T210248_20190313T215227_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T215227_20190313T224201_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190313T174421_20190313T183400_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T210248_20190313T210248_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T210248_20190313T215227_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T215227_20190313T215227_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.         CS_OFFL_SIR_IOP_2_20190313T215227_20190313T224201_C001       Ocean Retracking Quality Flag       The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190313T183400_20190313T192334_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T215227_20190313T224201_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_220190313T192334_20190313T201314_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T215227_20190313T224201_C001 Ocean Retracking Quality Flag Decean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190313T201314_20190313T210248_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
	CS_OFFL_SIR_IOP_220190313T210248_20190313T215227_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190313T224201_20190313T233141_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190313T215227_20190313T224201_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
	CS_OFFL_SIR_IOP_220190313T224201_20190313T233141_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.