



1. Overview

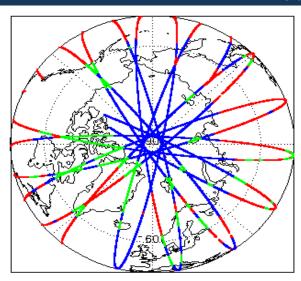
Report Production:	08-May-2019
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

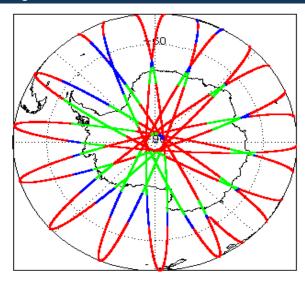
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

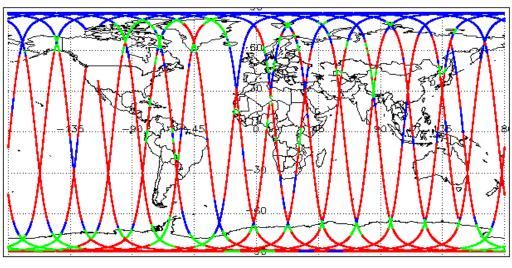
Mission / Instrument News		
04-May-2019	None	
05-May-2019	None	

05-May-2019 None 06-May-2019 Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

0

4.2 L1B Product Header Analysis

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

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

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4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

0

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

19

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20190505T012723_20190505T013902_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20190505T021029_20190505T022548_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20190505T124424_20190505T125625_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20190505T150633_20190505T154031_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190505T005840_20190505T010000_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190505T064948_20190505T065113_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190505T074105_20190505T074219_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190505T090428_20190505T090544_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190505T095725_20190505T100141_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190505T104654_20190505T105059_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190505T122901_20190505T122954_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20190505T140656_20190505T140908_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190505T023451_20190505T023810_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190505T090948_20190505T092230_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190505T105059_20190505T105850_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190505T122954_20190505T123535_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190505T132522_20190505T132917_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190505T191126_20190505T191623_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20190505T210006_20190505T210332_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

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:

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

5.5 L2 Measurement Confidence Data Check

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20190505T205803_20190505T205825_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Range Measurement Check

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

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

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

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

Number of products with errors:

79

Product	Test Failed	Description
CS OFFL SIR IOPM 2 20190505T001450 20190505T003108 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR IOPM 2 20190505T003441 20190505T004353 C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_IOPM_2_20190505T010000_20190505T010411_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T010533_20190505T010815_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T010841_20190505T012104_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T012723_20190505T013902_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T014447_20190505T014713_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T014742_20190505T015205_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T015358_20190505T020849_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T021029_20190505T022548_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T024722_20190505T025431_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T025554_20190505T030049_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T030304_20190505T031947_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T032232_20190505T033117_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T033334_20190505T035559_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T043516_20190505T045849_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T050441_20190505T050909_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T051228_20190505T053902_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T060636_20190505T062059_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T062635_20190505T063758_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T064356_20190505T064947_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T065123_20190505T071050_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T071306_20190505T071707_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T072854_20190505T072951_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T074219_20190505T081700_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T082303_20190505T082818_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T083008_20190505T083300_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T083500_20190505T083748_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T083927_20190505T084211_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T092231_20190505T093108_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T093354_20190505T095609_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T100141_20190505T100303_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T100311_20190505T100718_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T100921_20190505T102226_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T102414_20190505T103132_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T103215_20190505T103649_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T110237_20190505T113442_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T113640_20190505T114202_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T115303_20190505T120534_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T120542_20190505T122310_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T122440_20190505T122900_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T124424_20190505T125625_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T125829_20190505T131404_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T131559_20190505T132059_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T132106_20190505T132113_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOPM_2_20190505T132138_20190505T132301_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T133015_20190505T134040_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T134700_20190505T135912_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T143827_20190505T145255_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T145514_20190505T150010_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T150017_20190505T150029_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T150035_20190505T150044_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T150633_20190505T154031_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T160827_20190505T163231_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T163557_20190505T163926_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T163949_20190505T164317_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T164537_20190505T171226_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T174627_20190505T181200_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T181340_20190505T181840_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T182540_20190505T183650_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T184227_20190505T190005_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T192523_20190505T193234_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T194528_20190505T195143_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T195338_20190505T195912_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T200456_20190505T203839_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T205223_20190505T205323_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T211144_20190505T213057_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T213259_20190505T213807_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T214403_20190505T221815_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T224247_20190505T224707_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T224803_20190505T230539_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T232415_20190505T234132_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T234613_20190505T235319_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190505T090428_20190505T090544_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190505T095725_20190505T100141_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190505T205056_20190505T205122_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190505T114215_20190505T114221_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190505T164501_20190505T164537_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190505T204904_20190505T205027_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
		The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T003441_20190505T004353_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_20190505T010000_20190505T010411_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T010533_20190505T010815_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T012723_20190505T013902_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_20190505T014447_20190505T014713_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T014742_20190505T015205_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T015358_20190505T020849_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	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_IOPM_2_20190505T021029_20190505T022548_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 IOPM 2 20190505T024722 20190505T025431 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_IOPM_2_20190505T025554_20190505T030049_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_IOPM_2_20190505T030304_20190505T031947_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190505T032232_20190505T033117_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190505T033334_20190505T035559_C001 **Backscatter Averaging Status** more records The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS OFFL SIR IOPM 2 20190505T043516 20190505T045849 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190505T050441 20190505T050909 C001 Ice Backscatter Averaging Status records. SWH Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190505T051228_20190505T053902_C001 more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190505T060636_20190505T062059_C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190505T062635 20190505T063758 C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190505T064356_20190505T064947_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190505T065123 20190505T071050 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_IOPM_2_20190505T071306_20190505T071707_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_IOPM_2_20190505T072854_20190505T072951_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 IOPM 2 20190505T074219 20190505T081700 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190505T082303_20190505T082818_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190505T083500_20190505T083748_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 IOPM 2 20190505T090544 20190505T090948 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_IOPM_2_20190505T092231_20190505T093108_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_IOPM_2_20190505T093354_20190505T095609_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190505T100141 20190505T100303 C001 Ice Backscatter Averaging Status records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190505T100311_20190505T100718_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190505T100921 20190505T102226 C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190505T102414 20190505T103132 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 IOPM 2 20190505T103215 20190505T103649 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_IOPM_2_20190505T110237_20190505T113442_C001 Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190505T113640_20190505T114202_C001 Ice Backscatter Averaging Status records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190505T114221_20190505T114501_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190505T115303 20190505T120534 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_IOPM_2_20190505T120542_20190505T122310_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190505T122440_20190505T122900_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190505T124424 20190505T125625 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_IOPM_2_20190505T125829_20190505T131404_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190505T131559_20190505T132059_C001 Ice Backscatter Averaging Status records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190505T132106 20190505T132113 C001 Ice Backscatter Averaging Status records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190505T133015_20190505T134040_C001 Backscatter Averaging Status more records The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS OFFL SIR IOPM 2 20190505T134700 20190505T135912 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 IOPM 2 20190505T143827 20190505T145255 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190505T145514_20190505T150010_C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190505T150035_20190505T150044_C001 Ice Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS OFFL SIR IOPM 2 20190505T150633 20190505T154031 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_IOPM_2_20190505T160827_20190505T163231_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR IOPM 2 20190505T163557 20190505T163926 C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190505T163949_20190505T164317_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190505T164537_20190505T171226_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 IOPM 2 20190505T174627 20190505T181200 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190505T181340_20190505T181840_C001 Ice Backscatter Averaging Status records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_IOPM_2_20190505T181847_20190505T182215_C001 Ice Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR IOPM 2 20190505T182540 20190505T183650 C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_IOPM_2_20190505T184227_20190505T190005_C001 Backscatter Averaging Status more records.

CS_OFFL_SIR_IOPM_2_20190505T192523_20190505T193234_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_20190505T194528_20190505T195143_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_20190505T195338_20190505T195912_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T200456_20190505T203839_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_20190505T211144_20190505T213057_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_20190505T213259_20190505T213807_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190505T214403_20190505T221815_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_20190505T224247_20190505T224707_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_20190505T224803_20190505T230539_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_20190505T232415_20190505T234132_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_20190505T234613_20190505T235319_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190505T090428_20190505T090544_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190505T095725_20190505T100141_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190505T205056_20190505T205122_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190505T114215_20190505T114221_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190505T164501_20190505T164537_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190505T204904_20190505T205027_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

5.8 L2 Ocean Retracking Quality Check

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

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

Number of products with errors:

6. IOP L2 Pole-to-Pole Data Quality Check

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767). 0

Number of products with errors:

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220190505T204750_20190505T213725_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Range Measurement Check

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20190505T000728_20190505T005707_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T005707_20190505T014642_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T014642_20190505T023621_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T023621_20190505T032555_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190505T032555_20190505T041535_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T041535_20190505T050509_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOP_2_20190505T050509_20190505T055448_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T055448_20190505T064423_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T064423_20190505T073402_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T073402_20190505T082336_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190505T082336_20190505T091315_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T091315_20190505T100250_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190505T100250_20190505T105229_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T105229_20190505T114203_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T114203_20190505T123142_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190505T123142_20190505T132117_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T132117_20190505T141056_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190505T141056_20190505T150030_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T150030_20190505T155010_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190505T155010_20190505T163944_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T163944_20190505T172923_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T172923_20190505T181857_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T181857_20190505T190837_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T190837_20190505T195811_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T195811_20190505T204750_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190505T204750_20190505T213725_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T213725_20190505T222704_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220190505T222704_20190505T231638_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190505T231638_20190506T000617_C002	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220190505T000728_20190505T005707_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_220190505T005707_20190505T014642_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_220190505T014642_20190505T023621_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_220190505T023621_20190505T032555_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_220190505T032555_20190505T041535_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_220190505T041535_20190505T050509_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_220190505T050509_20190505T055448_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_220190505T055448_20190505T064423_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_220190505T064423_20190505T073402_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_220190505T073402_20190505T082336_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_220190505T082336_20190505T091315_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_220190505T091315_20190505T100250_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_220190505T100250_20190505T105229_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T105229_20190505T114203_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_220190505T114203_20190505T123142_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_220190505T123142_20190505T132117_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_220190505T132117_20190505T141056_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_220190505T141056_20190505T150030_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_220190505T150030_20190505T155010_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_220190505T155010_20190505T163944_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_220190505T163944_20190505T172923_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_220190505T172923_20190505T181857_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T181857_20190505T190837_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_220190505T190837_20190505T195811_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_220190505T195811_20190505T204750_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_220190505T204750_20190505T213725_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_220190505T213725_20190505T222704_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T222704_20190505T231638_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T231638_20190506T000617_C002	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

6.8 P2P Ocean Retracking Quality Check

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

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

CS_OFFL_SIR_IOP_2_20190505T014642_20190505T014642_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T023621_20190505T032555_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T032555_20190505T041535_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T032555_20190505T050509_C001 CS_OFFL_SIR_IOP_2_20190505T050509_20190505T050509_C001 CS_OFFL_SIR_IOP_2_20190505T050509_20190505T05448_C001 CS_OFFL_SIR_IOP_2_20190505T050509_20190505T05448_C001 CS_OFFL_SIR_IOP_2_20190505T055448_20190505T054423_C001 CS_OFFL_SIR_IOP_2_20190505T055448_20190505T054423_C001 CS_OFFL_SIR_IOP_2_20190505T054423_C001 CS_OFFL_SIR_IOP_2_20190505T054423_C001 CS_OFFL_SIR_IOP_2_20190505T073402_C001 CS_OFFL_SIR_IOP_2_20190505T073402_20190505T082336_C001 CS_OFFL_SIR_IOP_2_20190505T082336_C001 CCean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T064423_C001 CCEAN Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T05448_C001 CCEAN Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T064423_C0190505T082336_C001 CCEAN Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T091315_C0190505T091315_C001 CCEAN Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T114203_C0190505T114203_C001 CCEAN Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T1321412_0190505T132142_C001 CCEAN Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OF	Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20190505T014642_20190505T023621_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T023621_20190505T023555_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T0305555_20190505T041535_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T050509_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T0505448_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T054442_0190505T064423_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T064423_20190505T073402_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T082336_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T082336_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T091315_C0010505T00250_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T100250_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T103250_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T123142_20190505T14203_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T132117_20190505T140501_C001 Ocean Retracking Quality Flag The Ocean Retra	CS_OFFL_SIR_IOP_220190505T000728_20190505T005707_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T023621_20190505T041535_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T041535_C0190505T041535_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T050509_20190505T0505048_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T050509_20190505T055448_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T050442_20190505T064423_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T073402_20190505T073402_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T073402_20190505T091315_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T091315_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T091315_0010 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T10250_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T10250_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T114203_20190505T1123142_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T132117_20190505T132117_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T150302_0190505T150304_C001 Ocean Retracki	CS_OFFL_SIR_IOP_220190505T005707_20190505T014642_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T032555_20190505T041535_C001 Ccean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T050509_20190505T055448_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T050509_20190505T055448_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T0505448_20190505T054423_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T064423_20190505T073402_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T073402_20190505T082336_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T091315_20190505T091315_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T091315_20190505T100250_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T100250_20190505T100250_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T105229_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T132142_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T132142_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T132117_C011 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T132117_C011 Ocean Retracking Quality Fla	CS_OFFL_SIR_IOP_220190505T014642_20190505T023621_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T050509_20190505T050509_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T050509_20190505T05448_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T064423_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T064423_20190505T073402_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T073402_20190505T082336_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T082336_20190505T091315_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T091315_20190505T100250_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T100520_20190505T105229_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T105229_20190505T114203_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T114203_20190505T123142_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T105030_20190505T163944_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T155010_20190505T163944_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T163944_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_2019	CS_OFFL_SIR_IOP_220190505T023621_20190505T032555_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T05548_20190505T055448_C001 CS_OFFL_SIR_IOP_2_20190505T055448_20190505T064423_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T064423_20190505T073402_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T073402_20190505T082336_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T082336_20190505T091315_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T091315_20190505T100250_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T091315_20190505T100250_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T100250_20190505T105229_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T10250_20190505T114203_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T1123142_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T123142_20190505T123142_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T150030_20190505T155010_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T155010_20190505T163944_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T155010_20190505T163944_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag ha	CS_OFFL_SIR_IOP_220190505T032555_20190505T041535_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
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CS_OFFL_SIR_IOP_2_20190505T073402_20190505T082336_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T091315_20190505T091315_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T100250_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T100250_20190505T105229_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T105229_20190505T114203_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T114203_20190505T123142_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T123142_20190505T132117_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T132117_20190505T141056_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T150030_20190505T155010_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T150030_20190505T155010_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T155010_20190505T163944_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T150010_20190505T163944_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_201	CS_OFFL_SIR_IOP_220190505T055448_20190505T064423_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
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CS_OFFL_SIR_IOP_2_20190505T091315_20190505T100250_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T100250_20190505T105229_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T105229_20190505T114203_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T114203_20190505T123142_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T123142_20190505T132117_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T132117_20190505T141056_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T150030_20190505T155010_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T155010_20190505T163944_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_201	CS_OFFL_SIR_IOP_220190505T073402_20190505T082336_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T100250_20190505T105229_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T105229_20190505T114203_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T114203_20190505T123142_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T123142_20190505T132117_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T132117_20190505T141056_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T150030_20190505T155010_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T155010_20190505T163944_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T155010_20190505T163944_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001	CS_OFFL_SIR_IOP_220190505T082336_20190505T091315_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T105229_20190505T114203_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T114203_20190505T123142_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T123142_20190505T132117_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T132117_20190505T141056_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T150030_20190505T155010_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T155010_20190505T163944_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001	CS_OFFL_SIR_IOP_220190505T091315_20190505T100250_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T114203_20190505T123142_C001 CS_OFFL_SIR_IOP_2_20190505T123142_20190505T132117_C001 CS_OFFL_SIR_IOP_2_20190505T132117_20190505T132117_C001 CS_OFFL_SIR_IOP_2_20190505T132117_20190505T141056_C001 CS_OFFL_SIR_IOP_2_20190505T150030_20190505T155010_C001 CS_OFFL_SIR_IOP_2_20190505T150030_20190505T155010_C001 CS_OFFL_SIR_IOP_2_20190505T155010_20190505T163944_C001 CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001	CS_OFFL_SIR_IOP_220190505T100250_20190505T105229_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T123142_20190505T132117_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T132117_20190505T141056_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T150030_20190505T155010_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T155010_20190505T163944_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001	CS_OFFL_SIR_IOP_220190505T105229_20190505T114203_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T132117_20190505T141056_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T15010_20190505T155010_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T155010_20190505T163944_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record CS_OFFL_SIR_IOP_2_20190505T163944_20190505T172923_C001	CS_OFFL_SIR_IOP_220190505T114203_20190505T123142_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
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	CS_OFFL_SIR_IOP_220190505T155010_20190505T163944_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T172923_20190505T181857_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record	CS_OFFL_SIR_IOP_220190505T163944_20190505T172923_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
	CS_OFFL_SIR_IOP_220190505T172923_20190505T181857_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T181857_20190505T190837_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record	CS_OFFL_SIR_IOP_220190505T181857_20190505T190837_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T190837_20190505T195811_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record	CS_OFFL_SIR_IOP_220190505T190837_20190505T195811_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T195811_20190505T204750_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record	CS_OFFL_SIR_IOP_220190505T195811_20190505T204750_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190505T204750_20190505T213725_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record	CS_OFFL_SIR_IOP_220190505T204750_20190505T213725_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.

CS_OFFL_SIR_IOP_220190505T213725_20190505T222704_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190505T222704_20190505T231638_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220190505T231638_20190506T000617_C002	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.