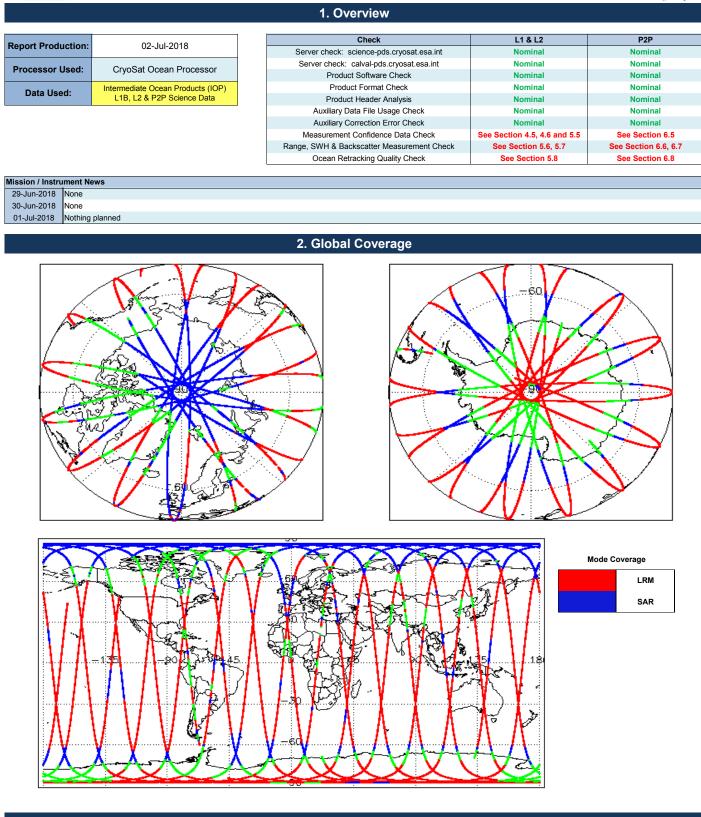


IDEAS+ Daily Report for IOP data:

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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

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: 0		
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 probl	ems 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 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: 2		
Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20180630T072037_20180630T075437_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20180630T210304_20180630T210817_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20180630T112727_20180630T112818_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180630T012332_20180630T012501_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180630T044106_20180630T044212_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180630T061649_20180630T062201_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180630T085624_20180630T085743_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180630T093211_20180630T093716_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180630T113524_20180630T113716_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20180630T193953_20180630T194438_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180630T051051_20180630T051230_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180630T224303_20180630T224441_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20180630T225357_20180630T230146_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

2

Number of products with errors:

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180630T072037_20180630T075437_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20180630T210304_20180630T210817_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Range Measurement Check

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

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

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

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

Product CS_OFFL_SIR_IOPM_2_20180629T235625_20180630T002945_C001 CS OFFL SIR IOPM 2 20180630T003613 20180630T004126 C001 CS_OFFL_SIR_IOPM_2_20180630T004529_20180630T010309_C001 CS OFFL SIR IOPM 2 20180630T012109 20180630T012120 C001 CS OFFL SIR IOPM 2 20180630T013401 20180630T020807 C001 CS_OFFL_SIR_IOPM_2_20180630T021630_20180630T022027_C001 CS OFFL SIR IOPM 2 20180630T022511 20180630T025128 C001 CS_OFFL_SIR_IOPM_2_20180630T025143_20180630T025846_C001 CS_OFFL_SIR_IOPM_2_20180630T030016_20180630T030300_C001 CS OFFL SIR IOPM 2 20180630T031116 20180630T032551 C001 CS_OFFL_SIR_IOPM_2_20180630T033158_20180630T034744_C001 CS_OFFL_SIR_IOPM_2_20180630T040550_20180630T041850_C001 CS OFFL SIR IOPM_2_20180630T042105_20180630T043458_C001 CS_OFFL_SIR_IOPM_2_20180630T043524_20180630T043756_C001 CS_OFFL_SIR_IOPM_2_20180630T050026_20180630T051051_C001 CS_OFFL_SIR_IOPM_2_20180630T051231_20180630T052634_C001 CS_OFFL_SIR_IOPM_2_20180630T052918_20180630T053422_C001 CS_OFFL_SIR_IOPM_2_20180630T054254_20180630T054352_C001 CS_OFFL_SIR_IOPM_2_20180630T055134_20180630T055453_C001 CS OFFL SIR IOPM 2 20180630T060156 20180630T060443 C001 CS_OFFL_SIR_IOPM_2_20180630T060606_20180630T061311_C001 CS_OFFL_SIR_IOPM_2_20180630T064453_20180630T070513_C001 CS_OFFL_SIR_IOPM_2_20180630T071400_20180630T071554_C001 CS_OFFL_SIR_IOPM_2_20180630T072037_20180630T075437_C001 CS_OFFL_SIR_IOPM_2_20180630T082031_20180630T084448_C001 CS_OFFL_SIR_IOPM_2_20180630T084726_20180630T085252_C001 CS OFFL SIR IOPM 2 20180630T085258 20180630T085624 C001 CS_OFFL_SIR_IOPM_2_20180630T090000_20180630T091054_C001 CS_OFFL_SIR_IOPM_2_20180630T091631_20180630T093211_C001 CS OFFL SIR IOPM 2 20180630T095616 20180630T101709 C001 CS OFFL SIR IOPM 2 20180630T101915 20180630T102414 C001 CS_OFFL_SIR_IOPM_2_20180630T102725_20180630T103531_C001 CS OFFL SIR IOPM 2 20180630T103954 20180630T111253 C001 CS_OFFL_SIR_IOPM_2_20180630T114731_20180630T115540_C001 CS OFFL SIR IOPM 2 20180630T115607 20180630T120305 C001 CS OFFL SIR IOPM 2 20180630T120701 20180630T121218 C001 CS_OFFL_SIR_IOPM_2_20180630T121907_20180630T124032_C001 CS OFFL SIR IOPM 2 20180630T124318 20180630T125338 C001 CS_OFFL_SIR_IOPM_2_20180630T130407_20180630T130852_C001 CS_OFFL_SIR_IOPM_2_20180630T132414_20180630T132923_C001 CS OFFL SIR IOPM 2 20180630T133111 20180630T134136 C001 CS OFFL SIR IOPM 2 20180630T135836 20180630T143455 C001 CS_OFFL_SIR_IOPM_2_20180630T144738_20180630T145428_C001 CS_OFFL_SIR_IOPM_2_20180630T145442_20180630T151855_C001 CS_OFFL_SIR_IOPM_2_20180630T153251_20180630T153514_C001 CS_OFFL_SIR_IOPM_2_20180630T153752_20180630T155344_C001 CS OFFL SIR IOPM 2 20180630T155359 20180630T160611 C001 CS_OFFL_SIR_IOPM_2_20180630T162226_20180630T162627_C001 CS OFFL SIR IOPM 2 20180630T162748 20180630T164331 C001 CS_OFFL_SIR_IOPM_2_20180630T165216_20180630T170058_C001 CS OFFL SIR IOPM 2 20180630T170711 20180630T170941 C001

Test Failed Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status

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CS_OFFL_SIR_IOPM_2_20180630T171006_20180630T171432_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T171720_20180630T173117_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T173257_20180630T173811_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T180948_20180630T181658_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T181820_20180630T184136_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T184454_20180630T185346_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T185642_20180630T191948_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T195731_20180630T202043_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T202709_20180630T203135_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T203558_20180630T210244_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T212848_20180630T214326_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T214901_20180630T215915_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T220624_20180630T221213_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T221442_20180630T222922_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T223101_20180630T223930_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T225123_20180630T225231_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T230451_20180630T233824_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T234530_20180630T235044_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180630T004126_20180630T004251_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180630T044106_20180630T044212_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20180630T103531_20180630T103643_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180630T021626_20180630T021630_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20180630T093716_20180630T094454_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. 73

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20180629T235625_20180630T002945_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_20180630T003613_20180630T004126_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T004529_20180630T010309_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_20180630T012109_20180630T012120_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_20180630T013401_20180630T020807_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_20180630T021630_20180630T022027_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T022511_20180630T025128_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_20180630T025143_20180630T025846_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_20180630T030016_20180630T030300_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T031116_20180630T032551_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_20180630T033158_20180630T034744_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_20180630T035530_20180630T035728_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T040550_20180630T041850_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_20180630T042105_20180630T043458_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_20180630T043524_20180630T043756_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_20180630T050026_20180630T051051_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_20180630T051231_20180630T052634_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_20180630T052918_20180630T053422_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20180630T060156_20180630T060443_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_20180630T060606_20180630T061311_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_20180630T064453_20180630T070513_C001 CS OFFL SIR IOPM 2 20180630T071400 20180630T071554 C001 CS_OFFL_SIR_IOPM_2_20180630T072037_20180630T075437_C001 CS_OFFL_SIR_IOPM_2_20180630T082031_20180630T084448_C001 CS OFFL SIR IOPM 2 20180630T084726 20180630T085252 C001 CS_OFFL_SIR_IOPM_2_20180630T085258_20180630T085624_C001 CS OFFL SIR IOPM 2 20180630T090000 20180630T091054 C001 CS OFFL SIR IOPM 2 20180630T091631 20180630T093211 C001 CS_OFFL_SIR_IOPM_2_20180630T095616_20180630T101709_C001 CS_OFFL_SIR_IOPM_2_20180630T101915_20180630T102414_C001 CS OFFL SIR IOPM 2 20180630T102725 20180630T103531 C001 CS_OFFL_SIR_IOPM_2_20180630T103954_20180630T111253_C001 CS OFFL SIR IOPM 2 20180630T114731 20180630T115540 C001 CS_OFFL_SIR_IOPM_2_20180630T115607_20180630T120305_C001 CS_OFFL_SIR_IOPM_2_20180630T120701_20180630T121218_C001 CS_OFFL_SIR_IOPM_2_20180630T121907_20180630T124032_C001 CS OFFL SIR IOPM 2 20180630T124318 20180630T125338 C001 CS_OFFL_SIR_IOPM_2_20180630T130407_20180630T130852_C001 CS OFFL SIR IOPM 2 20180630T133111 20180630T134136 C001 CS_OFFL_SIR_IOPM_2_20180630T134824_20180630T135118_C001 CS_OFFL_SIR_IOPM_2_20180630T135836_20180630T143455_C001 CS_OFFL_SIR_IOPM_2_20180630T144738_20180630T145428_C001 CS_OFFL_SIR_IOPM_2_20180630T145442_20180630T151855_C001 CS OFFL SIR IOPM 2 20180630T152831 20180630T153025 C001 CS OFFL SIR IOPM 2 20180630T153752 20180630T155344 C001 CS OFFL SIR IOPM 2 20180630T155359 20180630T160611 C001 CS_OFFL_SIR_IOPM_2_20180630T162226_20180630T162627_C001 CS_OFFL_SIR_IOPM_2_20180630T162748_20180630T164331_C001 CS_OFFL_SIR_IOPM_2_20180630T165216_20180630T170058_C001 CS OFFL SIR IOPM 2 20180630T170711 20180630T170941 C001 CS_OFFL_SIR_IOPM_2_20180630T171006_20180630T171432_C001 CS_OFFL_SIR_IOPM_2_20180630T171720_20180630T173117_C001 CS OFFL SIR IOPM 2 20180630T173257 20180630T173811 C001 CS_OFFL_SIR_IOPM_2_20180630T180948_20180630T181658_C001 CS_OFFL_SIR_IOPM_2_20180630T181820_20180630T184136_C001 CS OFFL SIR IOPM 2 20180630T184454 20180630T185346 C001 CS_OFFL_SIR_IOPM_2_20180630T185642_20180630T191948_C001 CS_OFFL_SIR_IOPM_2_20180630T195731_20180630T202043_C001 CS OFFL SIR IOPM 2 20180630T202709 20180630T203135 C001 CS OFFL SIR IOPM 2 20180630T203558 20180630T210244 C001 CS_OFFL_SIR_IOPM_2_20180630T212848_20180630T214326_C001 CS OFFL SIR IOPM 2 20180630T214901 20180630T215915 C001 CS_OFFL_SIR_IOPM_2_20180630T220624_20180630T221213_C001 CS_OFFL_SIR_IOPM_2_20180630T221442_20180630T222922_C001 CS_OFFL_SIR_IOPM_2_20180630T223101_20180630T223930_C001 CS_OFFL_SIR_IOPM_2_20180630T225123_20180630T225231_C001 CS OFFL SIR IOPM 2 20180630T230451 20180630T233824 C001 CS_OFFL_SIR_IOPM_2_20180630T234530_20180630T235044_C001 CS_OFFL_SIR_IOPN_2_20180630T004126_20180630T004251_C001 CS OFFL SIR IOPN 2 20180630T044106 20180630T044212 C001 CS_OFFL_SIR_IOPN_2_20180630T103531_20180630T103643_C001

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 SWH 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

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

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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.

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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.

CS_OFFL_SIR_IOPR_2_20180630T021626_20180630T021630_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
	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 mea	asurement record. The bit value of this flag ind	icates any problems when set.
Ocean Retracking Quality Flag: This flag is currently set for products over la	and and sea ice, but this is to be expected. Th	e number of products with this error flag set is given below.
Number of products with errors: 63		
6. IOP L	2 Pole-to-Pole Data Qualit	y 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: 0		
6.2 P2P Product Header Analysis		
For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors: 0	d SPH in order to identify any inconsistencies	and/or errors raised by the ground-segment processing chain.
6.2 D2D Auviliany Data File Llagge Check		
6.3 P2P Auxiliary Data File Usage Check		all disc of Annulling a Data Elling i
Each product is checked for missing Data Set Descriptors with respect to a pr Number of products with errors: 0	e-determined baseline and also to check the	validity of Auxiliary Data Files is correct.
·		
6.4 P2P Auxiliary Correction Error Check		
For all products, the auxiliary corrections within the Geophysical Group are ch	necked for the default error value (32767).	
Number of products with errors: 0		
6.5 P2P Measurement Confidence Data Check		
CryoSat P2P data includes a measurement confidence flag for each 20-Hz measurement confidence flag for each 20-	easurement record. The bit value of this flag in	ndicates any problems when set.
Number of products with errors: 2		
Product	Test Failed	Description
00 OFFL OID IOD 0 004000007074050 004000007000000 0001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220180630T071353_20180630T080332_C001		
CS_OFFL_SIR_IOP_220180630T202741_20180630T211720_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220180630T202741_20180630T211720_C001		
CS_OFFL_SIR_IOP_2_20180630T202741_20180630T211720_C001 6.6 P2P Range Measurement Check CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag fo Currently, there are two common status flags raised in the P2P products	r each measurement record. The bit value of	this flag indicates any problems when set.
CS_OFFL_SIR_IOP_2_20180630T202741_20180630T211720_C001 6.6 P2P Range Measurement Check CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag fo	r each measurement record. The bit value of s which are expected due to surface type. A	this flag indicates any problems when set.
CS_OFFL_SIR_IOP_2_20180630T202741_20180630T211720_C001 6.6 P2P Range Measurement Check CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag fo Currently, there are two common status flags raised in the P2P products highlighting any additional issues which may arise from this test.	or each measurement record. The bit value of is which are expected due to surface type. A over land and sea ice, but this is to be expected over land and sea ice.	this flag indicates any problems when set.
CS_OFFL_SIR_IOP_220180630T202741_20180630T211720_C001 6.6 P2P Range Measurement Check CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag fo Currently, there are two common status flags raised in the P2P products highlighting any additional issues which may arise from this test. Ocean Range Averaging Status Flag: This flag is currently set for products	or each measurement record. The bit value of is which are expected due to surface type. A over land and sea ice, but this is to be expected over land and sea ice.	this flag indicates any problems when set.
CS_OFFL_SIR_IOP_2_20180630T202741_20180630T211720_C001 6.6 P2P Range Measurement Check CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag for Currently, there are two common status flags raised in the P2P products highlighting any additional issues which may arise from this test. Ocean Range Averaging Status Flag: This flag is currently set for products of Ice Range Averaging Status Flag: This flag is currently set for products over 100 Part Part Part Part Part Part Part Part	r each measurement record. The bit value of the source of	this flag indicates any problems when set. All common flags are summarised in the list below, followed by a table ed. Description
CS_OFFL_SIR_IOP_2_20180630T202741_20180630T211720_C001 6.6 P2P Range Measurement Check CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag fo Currently, there are two common status flags raised in the P2P products highlighting any additional issues which may arise from this test. Ocean Range Averaging Status Flag: This flag is currently set for products over Number of products with errors: 29	or each measurement record. The bit value of its which are expected due to surface type. A over land and sea ice, but this is to be expected r land, but this is to be expected.	this flag indicates any problems when set. NI common flags are summarised in the list below, followed by a table ed.
CS_OFFL_SIR_IOP_2_20180630T202741_20180630T211720_C001 6.6 P2P Range Measurement Check CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag fo Currently, there are two common status flags raised in the P2P products highlighting any additional issues which may arise from this test. Ocean Range Averaging Status Flag: This flag is currently set for products Ice Range Averaging Status Flag: This flag is currently set for products over Number of products with errors: 29 Product	or each measurement record. The bit value of it s which are expected due to surface type. A over land and sea ice, but this is to be expected r land, but this is to be expected.	this flag indicates any problems when set. All common flags are summarised in the list below, followed by a table ed. Description The Ocean and Ice Range Averaging Status Flags have been set for one
CS_OFFL_SIR_IOP_2_20180630T202741_20180630T211720_C001 6.6 P2P Range Measurement Check CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag fo Currently, there are two common status flags raised in the P2P products highlighting any additional issues which may arise from this test. Ocean Range Averaging Status Flag: This flag is currently set for products over Number of products with errors: 29 Product CS_OFFL_SIR_IOP_2_20180629T234724_20180630T003658_C001	or each measurement record. The bit value of it is which are expected due to surface type. A over land and sea ice, but this is to be expect r land, but this is to be expected. Test Failed Ocean Range Averaging Status, Ice Range Averaging Status Ocean Range Averaging Status, Ice	this flag indicates any problems when set. All common flags are summarised in the list below, followed by a table ed. Description The Ocean and Ice Range Averaging Status Flags have been set for one or more records. The Ocean and Ice Range Averaging Status Flags have been set for one
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CS_OFFL_SIR_IOP_220180630T161939_20180630T170914_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_220180630T170914_20180630T175853_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_220180630T175853_20180630T184828_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_220180630T184828_20180630T193807_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_220180630T193807_20180630T202741_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T202741_20180630T211720_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_220180630T211720_20180630T220655_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T220655_20180630T225634_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_220180630T225634_20180630T234609_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 29

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180629T234724_20180630T003658_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_20180630T003658_20180630T012637_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_220180630T012637_20180630T021612_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_220180630T021612_20180630T030551_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_220180630T030551_20180630T035525_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_220180630T035525_20180630T044504_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_220180630T044504_20180630T053439_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_220180630T053439_20180630T062418_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_220180630T062418_20180630T071353_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_220180630T071353_20180630T080332_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_220180630T080332_20180630T085306_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_220180630T085306_20180630T094245_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_220180630T094245_20180630T103220_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_220180630T103220_20180630T112159_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_220180630T112159_20180630T121134_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_220180630T121134_20180630T130112_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_220180630T130112_20180630T135047_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_220180630T135047_20180630T144026_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_220180630T144026_20180630T153001_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_220180630T153001_20180630T161939_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_220180630T161939_20180630T170914_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_220180630T170914_20180630T175853_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_220180630T175853_20180630T184828_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_220180630T184828_20180630T193807_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_220180630T193807_20180630T202741_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_220180630T202741_20180630T211720_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_220180630T211720_20180630T220655_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_220180630T220655_20180630T225634_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_220180630T225634_20180630T234609_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

6.8 P2P Ocean Retracking Quality Check

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

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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.

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Product	Test Failed	Description
CS_OFFL_SIR_IOP_220180629T234724_20180630T003658_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T003658_20180630T012637_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T012637_20180630T021612_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T021612_20180630T030551_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T030551_20180630T035525_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T035525_20180630T044504_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T044504_20180630T053439_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T053439_20180630T062418_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T062418_20180630T071353_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T071353_20180630T080332_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T080332_20180630T085306_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T085306_20180630T094245_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T094245_20180630T103220_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T103220_20180630T112159_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T112159_20180630T121134_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T121134_20180630T130112_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T130112_20180630T135047_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T135047_20180630T144026_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T144026_20180630T153001_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T153001_20180630T161939_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T161939_20180630T170914_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T170914_20180630T175853_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T175853_20180630T184828_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T184828_20180630T193807_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T193807_20180630T202741_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T202741_20180630T211720_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T211720_20180630T220655_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T220655_20180630T225634_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220180630T225634_20180630T234609_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.