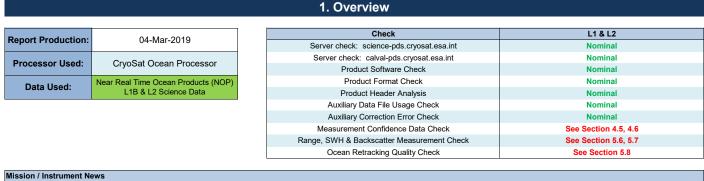
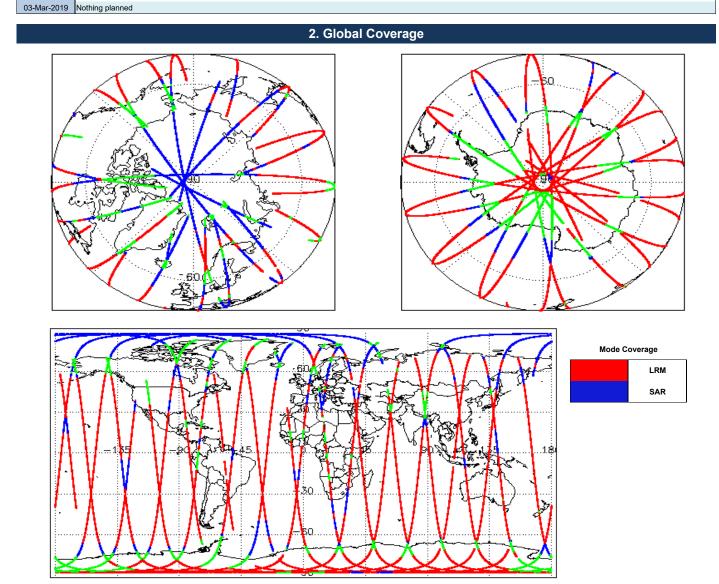


# IDEAS+ Daily Report for NOP data:

# 02/03/2019



# 01-Mar-2019 None 02-Mar-2019 None



### 3. Instrument Configuration

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

SIRAL - A

0

SIRAL instrument(s) in use:

4. NOP 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.

Dynamic Atmospheric Correction: The DAC is missing in all products because the auxiliary files required are not available in time for processing. This known and expected behaviour.

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:	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 NOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update. Number of products with errors:

#### 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

12

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20190302T032815_20190302T032936_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20190302T102502_20190302T102549_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190302T004317_20190302T004438_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190302T035553_20190302T035714_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190302T043609_20190302T044209_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190302T053517_20190302T053729_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190302T071429_20190302T071920_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190302T084637_20190302T084741_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190302T194020_20190302T194216_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190302T084937_20190302T085453_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190302T134315_20190302T134456_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190302T134811_20190302T135530_C001	Loss of Echo	The tracking echo is missing for one or more records

### 5. NOP 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). 0 Number of products with errors:

#### 5.2 L2 Product Header Analysis

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

### 5.3 L2 Auxiliary Data File Usage Check

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

#### 5.4 L2 Auxiliary Correction Error Check

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

# 5.5 L2 Measurement Confidence Data Check

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

0

Number of products with errors:

#### 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. 77

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190301T235243_20190302T001517_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T001803_20190302T002704_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T003943_20190302T004317_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T005919_20190302T010408_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS\_OFFL\_SIR\_NOPM\_2\_20190302T010557\_20190302T011909\_C001 CS OFFL SIR NOPM 2 20190302T012126 20190302T012608 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T013151\_20190302T013824\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T013833\_20190302T020431\_C001 CS OFFL SIR NOPM 2 20190302T022502 20190302T025346 C001 CS OFFL SIR NOPM 2 20190302T030833 20190302T030933 C001 CS OFFL SIR NOPM 2 20190302T031150 20190302T032807 C001 CS OFFL SIR NOPM 2 20190302T033416 20190302T034133 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T040248\_20190302T041816\_C001 CS OFFL SIR NOPM 2 20190302T042031 20190302T043533 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T044209\_20190302T044427\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T044504\_20190302T044924\_C001 CS OFFL SIR NOPM 2 20190302T045103 20190302T050604 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T050744\_20190302T052237\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T054544\_20190302T055144\_C001 CS OFFL SIR NOPM 2 20190302T060137 20190302T061726 C001 CS OFFL SIR NOPM 2 20190302T061959 20190302T062831 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T063045\_20190302T065332\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T072847\_20190302T075645\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T080155\_20190302T080636\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T080916\_20190302T083554\_C001 CS OFFL SIR NOPM 2 20190302T090816 20190302T091811 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T092350\_20190302T093555\_C001 CS OFFL SIR NOPM 2 20190302T094113 20190302T094707 C001 CS OFFL SIR NOPM 2 20190302T094836 20190302T101738 C001 CS OFFL SIR NOPM 2 20190302T102556 20190302T102652 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T103945\_20190302T111429\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T112020\_20190302T112538\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T112718\_20190302T113017\_C001 CS OFFL SIR NOPM 2 20190302T113216 20190302T113344 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T120314\_20190302T120550\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T120645\_20190302T120702\_C001 CS OFFL SIR NOPM 2 20190302T121946 20190302T122819 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T123105\_20190302T125346\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T125907\_20190302T130021\_C001 CS OFFL SIR NOPM 2 20190302T130029 20190302T130435 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T130600\_20190302T131940\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T132128\_20190302T132738\_C001 CS OFFL SIR NOPM 2 20190302T132922 20190302T133402 C001 CS OFFL SIR NOPM 2 20190302T143411 20190302T143919 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T144538\_20190302T144722\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T145020\_20190302T152102\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T154043\_20190302T155504\_C001 CS OFFL SIR NOPM 2 20190302T155539 20190302T161129 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T161311\_20190302T161817\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T162753\_20190302T163755\_C001 CS OFFL SIR NOPM 2 20190302T164414 20190302T165543 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T171824\_20190302T173401\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T173541\_20190302T175020\_C001 CS OFFL SIR NOPM 2 20190302T175228 20190302T175727 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T175735\_20190302T175746\_C001 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 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 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 Ocean Range Averaging Status Ice 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 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 Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status

records

The Ocean Range Averaging Status Flag has been set for one or more reco The Ice Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more The Ice Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more ecords The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more ecords The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more

CS_OFFL_SIR_NOPM_2_20190302T175809_20190302T175912_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T180453_20190302T182751_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T182913_20190302T183739_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T190650_20190302T193009_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T193309_20190302T193644_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T193706_20190302T194020_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T194251_20190302T201152_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T204247_20190302T210917_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T211051_20190302T211558_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T211605_20190302T211933_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T212232_20190302T213404_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T213941_20190302T215651_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T224239_20190302T224904_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T225050_20190302T225631_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T230155_20190302T233537_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190302T003832_20190302T003907_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190302T185007_20190302T185042_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190302T040246_20190302T040248_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190302T053730_20190302T053908_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190302T091812_20190302T092350_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190302T134315_20190302T134456_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190302T153925_20190302T154043_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. 76

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190301T235243_20190302T001517_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_NOPM_2_20190302T001803_20190302T002704_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_NOPM_2_20190302T003943_20190302T004317_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_NOPM_2_20190302T010557_20190302T011909_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_NOPM_2_20190302T012126_20190302T012608_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T013151_20190302T013824_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_NOPM_2_20190302T013833_20190302T020431_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_NOPM_2_20190302T022502_20190302T025346_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_NOPM_2_20190302T030321_20190302T030514_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T031150_20190302T032807_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_NOPM_2_20190302T033416_20190302T034133_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_NOPM_2_20190302T040248_20190302T041816_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_NOPM_2_20190302T042031_20190302T043533_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_NOPM_2_20190302T044504_20190302T044924_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T045103_20190302T050604_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_NOPM_2_20190302T050744_20190302T052237_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_NOPM_2_20190302T054544_20190302T055144_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_NOPM_2_20190302T060137_20190302T061726_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_NOPM_2_20190302T061959_20190302T062831_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190302T063045_20190302T065332_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_NOPM_2_20190302T072847_20190302T075645_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\_NOPM\_2\_20190302T080155\_20190302T080636\_C001 CS OFFL SIR NOPM 2 20190302T080916 20190302T083554 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T090816\_20190302T091811\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T092350\_20190302T093555\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T094113\_20190302T094707\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T094836\_20190302T101738\_C001 CS OFFL SIR NOPM 2 20190302T102556 20190302T102652 C001 CS OFFL SIR NOPM 2 20190302T103945 20190302T111429 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T112020\_20190302T112538\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T112718\_20190302T113017\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T113216\_20190302T113344\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T120314\_20190302T120550\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T120645\_20190302T120702\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T121946\_20190302T122819\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T123105\_20190302T125346\_C001 CS OFFL SIR NOPM 2 20190302T125907 20190302T130021 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T130029\_20190302T130435\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T130600\_20190302T131940\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T132128\_20190302T132738\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T132922\_20190302T133402\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T143411\_20190302T143919\_C001 CS OFFL SIR NOPM 2 20190302T143940 20190302T144237 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T144538\_20190302T144722\_C001 CS OFFL SIR NOPM 2 20190302T145020 20190302T152102 C001 CS OFFL SIR NOPM 2 20190302T154043 20190302T155504 C001 CS OFFL SIR NOPM 2 20190302T155539 20190302T161129 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T161311\_20190302T161817\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T162753\_20190302T163755\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T164414\_20190302T165543\_C001 CS OFFL SIR NOPM 2 20190302T171824 20190302T173401 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T173541\_20190302T175020\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T175228\_20190302T175727\_C001 CS OFFL SIR NOPM 2 20190302T175735 20190302T175746 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T175809\_20190302T175912\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T180453\_20190302T182751\_C001 CS OFFL SIR NOPM 2 20190302T182913 20190302T183739 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T190650\_20190302T193009\_C001 CS OFFL SIR NOPM 2 20190302T193309 20190302T193644 C001 CS OFFL SIR NOPM 2 20190302T193706 20190302T194020 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T194251\_20190302T201152\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T204247\_20190302T210917\_C001 CS OFFL SIR NOPM 2 20190302T211051 20190302T211558 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T211605\_20190302T211933\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T212232\_20190302T213404\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T213941\_20190302T215651\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T224239\_20190302T224904\_C001 CS OFFL SIR NOPM 2 20190302T225050 20190302T225631 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190302T230155\_20190302T233537\_C001 CS\_OFFL\_SIR\_NOPN\_2\_20190302T003832\_20190302T003907\_C001 CS OFFL SIR NOPN 2 20190302T185007 20190302T185042 C001 CS\_OFFL\_SIR\_NOPR\_2\_20190302T040246\_20190302T040248\_C001

Ice Backscatter Averaging Status

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

Ice Backscatter Averaging Status

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

Ice Backscatter Averaging Status

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

Ice Backscatter Averaging Status

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

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

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

Ice Backscatter Averaging Status

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

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

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

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

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

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

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

Ice Backscatter Averaging Status

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

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

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

more records.

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

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

more records.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

	The 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.
00	The SWH and Ocean Averaging Status Flags have been set for one or more records.
00	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. 49

Number of products with errors: