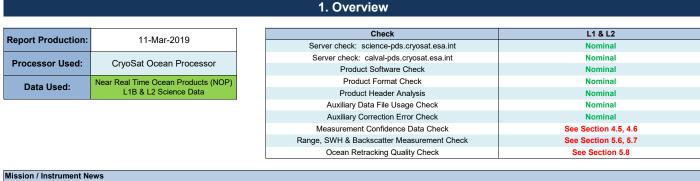
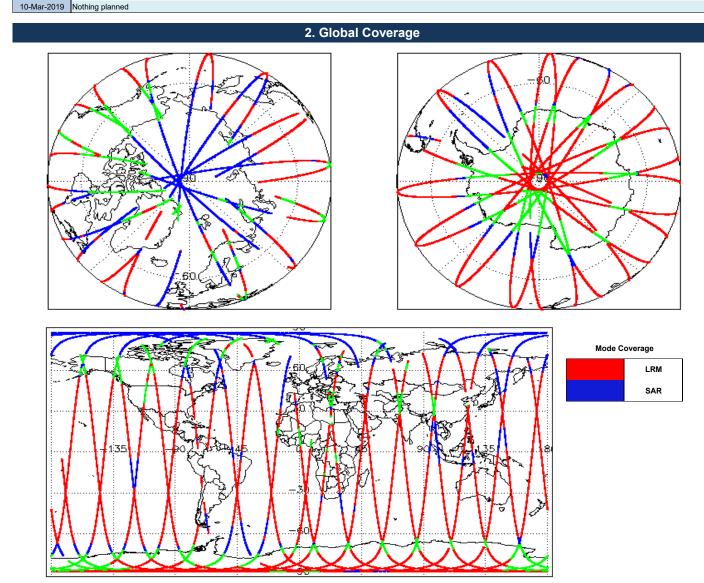


IDEAS+ Daily Report for NOP data:

<u>09/03/2019</u>



08-Mar-2019 None 09-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_20190309T021359_20190309T023232_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20190309T041037_20190309T042000_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20190309T225226_20190309T225308_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190309T043659_20190309T043809_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190309T061617_20190309T062207_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190309T093823_20190309T094247_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190309T202128_20190309T202246_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190309T220035_20190309T220147_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190309T033615_20190309T034141_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190309T105622_20190309T105659_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190309T110214_20190309T110537_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190309T143836_20190309T144314_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

0

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

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. 82

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190309T000139_20190309T002121_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T002256_20190309T002805_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T003325_20190309T010806_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T012218_20190309T012224_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_NOPM_2_20190309T013756_20190309T015535_C001 CS_OFFL_SIR_NOPM_2_20190309T015835_20190309T015950_C001 CS_OFFL_SIR_NOPM_2_20190309T020507_20190309T020708_C001 CS_OFFL_SIR_NOPM_2_20190309T021359_20190309T023232_C001 CS OFFL SIR NOPM 2 20190309T023607 20190309T024313 C001 CS OFFL SIR NOPM 2 20190309T030313 20190309T032103 C001 CS OFFL SIR NOPM 2 20190309T032222 20190309T033615 C001 CS OFFL SIR NOPM 2 20190309T034727 20190309T035119 C001 CS_OFFL_SIR_NOPM_2_20190309T035259_20190309T040836_C001 CS_OFFL_SIR_NOPM_2_20190309T041037_20190309T042000_C001 CS_OFFL_SIR_NOPM_2_20190309T043809_20190309T043921_C001 CS_OFFL_SIR_NOPM_2_20190309T044750_20190309T045922_C001 CS OFFL SIR NOPM 2 20190309T051511 20190309T051907 C001 CS_OFFL_SIR_NOPM_2_20190309T052224_20190309T053021_C001 CS_OFFL_SIR_NOPM_2_20190309T053209_20190309T054742_C001 CS OFFL SIR NOPM 2 20190309T062437 20190309T063410 C001 CS OFFL SIR NOPM 2 20190309T063436 20190309T065827 C001 CS_OFFL_SIR_NOPM_2_20190309T070330_20190309T070908_C001 CS OFFL SIR NOPM 2 20190309T071138 20190309T073659 C001 CS_OFFL_SIR_NOPM_2_20190309T081052_20190309T082003_C001 CS_OFFL_SIR_NOPM_2_20190309T082540_20190309T083726_C001 CS OFFL SIR NOPM 2 20190309T084305 20190309T084738 C001 CS_OFFL_SIR_NOPM_2_20190309T084847_20190309T084858_C001 CS OFFL SIR NOPM 2 20190309T085021 20190309T091823 C001 CS OFFL SIR NOPM 2 20190309T092750 20190309T092821 C001 CS OFFL SIR NOPM 2 20190309T094248 20190309T101635 C001 CS_OFFL_SIR_NOPM_2_20190309T102214_20190309T102748_C001 CS_OFFL_SIR_NOPM_2_20190309T102911_20190309T103534_C001 CS_OFFL_SIR_NOPM_2_20190309T110641_20190309T110826_C001 CS OFFL SIR NOPM 2 20190309T112146 20190309T115558 C001 CS_OFFL_SIR_NOPM_2_20190309T120118_20190309T120630_C001 CS_OFFL_SIR_NOPM_2_20190309T120812_20190309T122812_C001 CS OFFL SIR NOPM 2 20190309T125957 20190309T133344 C001 CS_OFFL_SIR_NOPM_2_20190309T133802_20190309T134117_C001 CS_OFFL_SIR_NOPM_2_20190309T134123_20190309T134131_C001 CS OFFL SIR NOPM 2 20190309T134134 20190309T134532 C001 CS_OFFL_SIR_NOPM_2_20190309T134734_20190309T141632_C001 CS_OFFL_SIR_NOPM_2_20190309T141648_20190309T142348_C001 CS OFFL SIR NOPM 2 20190309T142525 20190309T142757 C001 CS OFFL SIR NOPM 2 20190309T144314 20190309T145052 C001 CS_OFFL_SIR_NOPM_2_20190309T145533_20190309T145656_C001 CS_OFFL_SIR_NOPM_2_20190309T145658_20190309T151316_C001 CS_OFFL_SIR_NOPM_2_20190309T151457_20190309T152015_C001 CS OFFL SIR NOPM 2 20190309T153104 20190309T154351 C001 CS_OFFL_SIR_NOPM_2_20190309T154605_20190309T155803_C001 CS_OFFL_SIR_NOPM_2_20190309T160041_20190309T160155_C001 CS OFFL SIR NOPM 2 20190309T162525 20190309T163553 C001 CS_OFFL_SIR_NOPM_2_20190309T163732_20190309T165235_C001 CS_OFFL_SIR_NOPM_2_20190309T165422_20190309T165926_C001 CS OFFL SIR NOPM 2 20190309T165950 20190309T170105 C001 CS_OFFL_SIR_NOPM_2_20190309T170757_20190309T170855_C001 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 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 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 Ocean Range Averaging Status Ice Range Averaging Status Ice 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 Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status

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CS_0FFL_SIR_NOPM_2_20190309T171728_20190309T171942_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T172703_20190309T172942_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T173105_20190309T173806_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T180936_20190309T181205_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T181406_20190309T183132_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T183427_20190309T183842_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T183904_20190309T184048_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T184437_20190309T190829_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T194526_20190309T201118_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T201233_20190309T201756_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T201803_20190309T202128_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T202344_20190309T203556_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T204132_20190309T205654_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T212209_20190309T214333_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T214415_20190309T215054_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T215226_20190309T220034_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T220310_20190309T223800_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T231610_20190309T232044_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T232132_20190309T233021_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T233204_20190309T233722_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T234240_20190310T000532_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190309T002135_20190309T002256_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190309T084738_20190309T084847_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190309T225347_20190309T225509_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190309T033615_20190309T034141_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190309T040836_20190309T041037_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190309T044601_20190309T044749_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. 77

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190309T000139_20190309T002121_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_20190309T002256_20190309T002805_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T003325_20190309T010806_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_20190309T012218_20190309T012224_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_20190309T013756_20190309T015535_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_20190309T015835_20190309T015950_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_20190309T020507_20190309T020708_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T021359_20190309T023232_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_20190309T023607_20190309T024313_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_20190309T030313_20190309T032103_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_20190309T032222_20190309T033615_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_20190309T034727_20190309T035119_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T035259_20190309T040836_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_20190309T041037_20190309T042000_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_20190309T043809_20190309T043921_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T044750_20190309T045922_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_20190309T051511_20190309T051907_C001 CS_OFFL_SIR_NOPM_2_20190309T052224_20190309T053021_C001 CS_OFFL_SIR_NOPM_2_20190309T053209_20190309T054742_C001 CS_OFFL_SIR_NOPM_2_20190309T062437_20190309T063410_C001 CS OFFL SIR NOPM 2 20190309T063436 20190309T065827 C001 CS_OFFL_SIR_NOPM_2_20190309T070330_20190309T070908_C001 CS OFFL SIR NOPM 2 20190309T071138 20190309T073659 C001 CS OFFL SIR NOPM 2 20190309T081052 20190309T082003 C001 CS_OFFL_SIR_NOPM_2_20190309T082540_20190309T083726_C001 CS_OFFL_SIR_NOPM_2_20190309T084305_20190309T084738_C001 CS OFFL SIR NOPM 2 20190309T085021 20190309T091823 C001 CS_OFFL_SIR_NOPM_2_20190309T094248_20190309T101635_C001 CS OFFL SIR NOPM 2 20190309T102214 20190309T102748 C001 CS_OFFL_SIR_NOPM_2_20190309T102911_20190309T103534_C001 CS_OFFL_SIR_NOPM_2_20190309T110641_20190309T110826_C001 CS OFFL SIR NOPM 2 20190309T112146 20190309T115558 C001 CS_OFFL_SIR_NOPM_2_20190309T120118_20190309T120630_C001 CS_OFFL_SIR_NOPM_2_20190309T120812_20190309T122812_C001 CS_OFFL_SIR_NOPM_2_20190309T125957_20190309T133344_C001 CS_OFFL_SIR_NOPM_2_20190309T133802_20190309T134117_C001 CS_OFFL_SIR_NOPM_2_20190309T134123_20190309T134131_C001 CS OFFL SIR NOPM 2 20190309T134134 20190309T134532 C001 CS_OFFL_SIR_NOPM_2_20190309T134734_20190309T141632_C001 CS OFFL SIR NOPM 2 20190309T141648 20190309T142348 C001 CS OFFL SIR NOPM 2 20190309T142525 20190309T142757 C001 CS OFFL SIR NOPM 2 20190309T144314 20190309T145052 C001 CS_OFFL_SIR_NOPM_2_20190309T145658_20190309T151316_C001 CS_OFFL_SIR_NOPM_2_20190309T151457_20190309T152015_C001 CS_OFFL_SIR_NOPM_2_20190309T153104_20190309T154351_C001 CS OFFL SIR NOPM 2 20190309T154605 20190309T155803 C001 CS_OFFL_SIR_NOPM_2_20190309T160041_20190309T160155_C001 CS_OFFL_SIR_NOPM_2_20190309T162525_20190309T163553_C001 CS OFFL SIR NOPM_2_20190309T163732_20190309T165235_C001 CS_OFFL_SIR_NOPM_2_20190309T165422_20190309T165926_C001 CS_OFFL_SIR_NOPM_2_20190309T165950_20190309T170105_C001 CS OFFL SIR NOPM 2 20190309T170757 20190309T170855 C001 CS_OFFL_SIR_NOPM_2_20190309T171728_20190309T171942_C001 CS_OFFL_SIR_NOPM_2_20190309T172703_20190309T172942_C001 CS OFFL SIR NOPM 2 20190309T173105 20190309T173806 C001 CS OFFL SIR NOPM 2 20190309T181406 20190309T183132 C001 CS_OFFL_SIR_NOPM_2_20190309T183427_20190309T183842_C001 CS OFFL SIR NOPM 2 20190309T183904 20190309T184048 C001 CS_OFFL_SIR_NOPM_2_20190309T184437_20190309T190829_C001 CS OFFL SIR NOPM 2 20190309T194526 20190309T201118 C001 CS_OFFL_SIR_NOPM_2_20190309T201233_20190309T201756_C001 CS_OFFL_SIR_NOPM_2_20190309T201803_20190309T202128_C001 CS OFFL SIR NOPM 2 20190309T202344 20190309T203556 C001 CS_OFFL_SIR_NOPM_2_20190309T204132_20190309T205654_C001 CS_OFFL_SIR_NOPM_2_20190309T212209_20190309T214333_C001 CS OFFL SIR NOPM 2 20190309T214415 20190309T215054 C001 CS_OFFL_SIR_NOPM_2_20190309T215226_20190309T220034_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 SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status 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 Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status 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

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Backscatter Averaging Status

SWH Averaging Status, Ocean

Ice Backscatter Averaging Status

Backscatter Averaging Status

Backscatter Averaging Status

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

CS_OFFL_SIR_NOPM_2_20190309T220310_20190309T223800_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_20190309T232132_20190309T233021_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_20190309T233204_20190309T233722_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190309T234240_20190310T000532_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_NOPN_2_20190309T002135_20190309T002256_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190309T084738_20190309T084847_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190309T225347_20190309T225509_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_NOPR_2_20190309T033615_20190309T034141_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_NOPR_2_20190309T040836_20190309T041037_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_NOPR_2_20190309T044601_20190309T044749_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.

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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.

Number of products with errors: