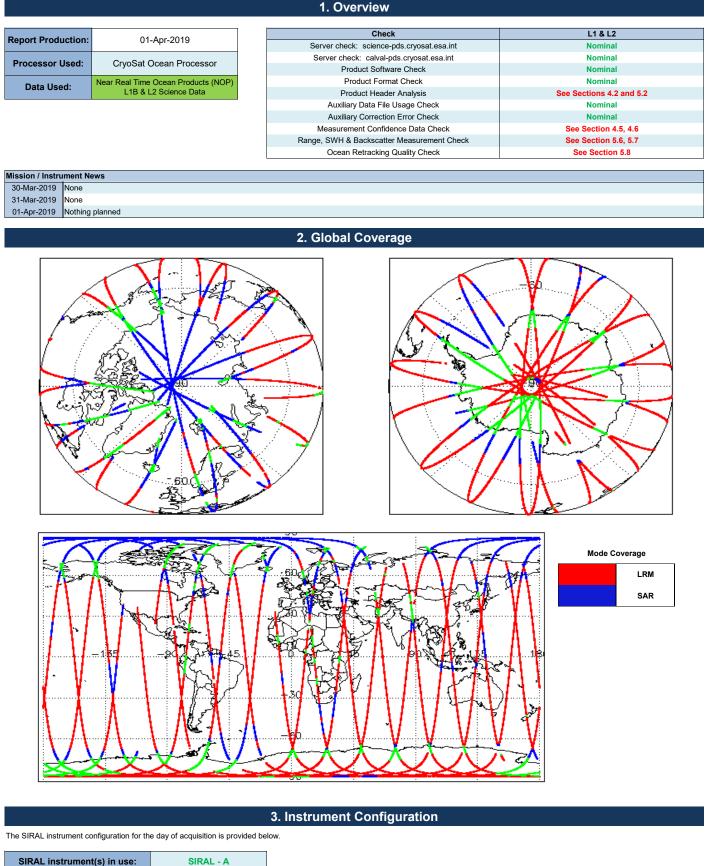


IDEAS+ Daily Report for NOP data:

<u>31/03/2019</u>





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).

0

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. NOP Level 1B Data Quality Check

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.

13

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20190331T034246_20190331T035737_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20190331T082338_20190331T085242_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190331T023536_20190331T023750_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190331T031115_20190331T031713_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190331T041022_20190331T041234_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190331T064139_20190331T064354_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190331T005237_20190331T005639_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190331T041629_20190331T041748_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190331T104217_20190331T105113_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190331T153044_20190331T153230_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190331T154126_20190331T154643_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190331T154643_20190331T154813_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190331T205338_20190331T205433_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).

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:

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. 75

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190330T235643_20190331T000112_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T000631_20190331T001324_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T001334_20190331T003940_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_NOPM_2_20190331T005942_20190331T012851_C001 CS OFFL SIR NOPM 2 20190331T014656 20190331T020438 C001 CS_OFFL_SIR_NOPM_2_20190331T020919_20190331T021631_C001 CS_OFFL_SIR_NOPM_2_20190331T023219_20190331T023536_C001 CS OFFL SIR NOPM 2 20190331T024126 20190331T025322 C001 CS_OFFL_SIR_NOPM_2_20190331T025537_20190331T031040_C001 CS OFFL SIR NOPM 2 20190331T031713 20190331T031931 C001 CS OFFL SIR NOPM 2 20190331T032008 20190331T032427 C001 CS_OFFL_SIR_NOPM_2_20190331T032606_20190331T034106_C001 CS_OFFL_SIR_NOPM_2_20190331T034246_20190331T035737_C001 CS OFFL SIR NOPM 2 20190331T042049 20190331T042650 C001 CS_OFFL_SIR_NOPM_2_20190331T042813_20190331T043123_C001 CS OFFL SIR NOPM 2 20190331T043637 20190331T045235 C001 CS_OFFL_SIR_NOPM_2_20190331T045502_20190331T050334_C001 CS_OFFL_SIR_NOPM_2_20190331T050539_20190331T052834_C001 CS OFFL SIR NOPM 2 20190331T063412 20190331T063603 C001 CS_OFFL_SIR_NOPM_2_20190331T063659_20190331T064138_C001 CS_OFFL_SIR_NOPM_2_20190331T064430_20190331T071059_C001 CS_OFFL_SIR_NOPM_2_20190331T074322_20190331T075318_C001 CS_OFFL_SIR_NOPM_2_20190331T075856_20190331T081056_C001 CS_OFFL_SIR_NOPM_2_20190331T081340_20190331T081354_C001 CS OFFL SIR NOPM 2 20190331T081617 20190331T082210 C001 CS_OFFL_SIR_NOPM_2_20190331T082338_20190331T085242_C001 CS OFFL SIR NOPM 2 20190331T090101 20190331T090208 C001 CS OFFL SIR NOPM 2 20190331T091449 20190331T094955 C001 CS OFFL SIR NOPM 2 20190331T095524 20190331T100041 C001 CS_OFFL_SIR_NOPM_2_20190331T100213_20190331T100520_C001 CS_OFFL_SIR_NOPM_2_20190331T100719_20190331T100852_C001 CS_OFFL_SIR_NOPM_2_20190331T103816_20190331T104051_C001 CS OFFL SIR NOPM 2 20190331T104140 20190331T104216 C001 CS_OFFL_SIR_NOPM_2_20190331T105451_20190331T110326_C001 CS_OFFL_SIR_NOPM_2_20190331T110612_20190331T112914_C001 CS OFFL SIR NOPM 2 20190331T113533 20190331T113938 C001 CS_OFFL_SIR_NOPM_2_20190331T114112_20190331T115443_C001 CS_OFFL_SIR_NOPM_2_20190331T115630_20190331T120241_C001 CS_OFFL_SIR_NOPM_2_20190331T120423_20190331T120904_C001 CS_OFFL_SIR_NOPM_2_20190331T123352_20190331T130715_C001 CS OFFL SIR NOPM 2 20190331T130914 20190331T131423 C001 CS OFFL SIR NOPM 2 20190331T131443 20190331T131739 C001 CS_OFFL_SIR_NOPM_2_20190331T132030_20190331T132224_C001 CS_OFFL_SIR_NOPM_2_20190331T132522_20190331T135546_C001 CS OFFL SIR NOPM 2 20190331T141552 20190331T142954 C001 CS_OFFL_SIR_NOPM_2_20190331T143046_20190331T144634_C001 CS_OFFL_SIR_NOPM_2_20190331T144817_20190331T145321_C001 CS_OFFL_SIR_NOPM_2_20190331T150254_20190331T151257_C001 CS_OFFL_SIR_NOPM_2_20190331T151917_20190331T153043_C001 CS OFFL SIR NOPM 2 20190331T155321 20190331T160907 C001 CS_OFFL_SIR_NOPM_2_20190331T161047_20190331T162532_C001 CS_OFFL_SIR_NOPM_2_20190331T162732_20190331T163231_C001 CS OFFL SIR NOPM 2 20190331T163257 20190331T163306 C001 CS_OFFL_SIR_NOPM_2_20190331T163940_20190331T170253_C001

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 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 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 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 Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status

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 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 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 Ice 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 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 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 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 Ocean Range Averaging Status Flag has been set for one or more record 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 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 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 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 record 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.

CS_OFFL_SIR_NOPM_2_20190331T174200_20190331T180503_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T180814_20190331T181148_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T181752_20190331T184657_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T191751_20190331T194422_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T194556_20190331T195102_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T195716_20190331T200906_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T201444_20190331T203156_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T205433_20190331T210503_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T211745_20190331T212417_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T212555_20190331T213134_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T213638_20190331T221041_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T224406_20190331T230345_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T230519_20190331T231028_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T231545_20190331T235023_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190331T113939_20190331T114103_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190331T195102_20190331T195109_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190331T195436_20190331T195607_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190331T231029_20190331T231335_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190331T020438_20190331T020918_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190331T041235_20190331T041409_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190331T081057_20190331T081220_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
		#N/A
		#N/A

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_NOPM_2_20190330T235643_20190331T000112_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T000631_20190331T001324_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_20190331T001334_20190331T003940_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_20190331T005942_20190331T012851_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_20190331T014656_20190331T020438_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_20190331T020919_20190331T021631_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_20190331T023219_20190331T023536_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T024126_20190331T025322_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_20190331T025537_20190331T031040_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_20190331T031713_20190331T031931_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T032008_20190331T032427_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T032606_20190331T034106_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_20190331T042049_20190331T042650_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_20190331T042813_20190331T043123_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_20190331T043637_20190331T045235_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_20190331T045502_20190331T050334_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T050539_20190331T052834_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_20190331T063412_20190331T063603_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T063659_20190331T064138_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190331T064430_20190331T071059_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_20190331T074322_20190331T075318_C001 CS_OFFL_SIR_NOPM_2_20190331T075856_20190331T081056_C001 CS_OFFL_SIR_NOPM_2_20190331T081340_20190331T081354_C001 CS_OFFL_SIR_NOPM_2_20190331T081617_20190331T082210_C001 CS OFFL SIR NOPM 2 20190331T082338 20190331T085242 C001 CS_OFFL_SIR_NOPM_2_20190331T091449_20190331T094955_C001 CS OFFL SIR NOPM 2 20190331T095524 20190331T100041 C001 CS OFFL SIR NOPM 2 20190331T100213 20190331T100520 C001 CS_OFFL_SIR_NOPM_2_20190331T103816_20190331T104051_C001 CS_OFFL_SIR_NOPM_2_20190331T104140_20190331T104216_C001 CS OFFL SIR NOPM 2 20190331T105451 20190331T110326 C001 CS_OFFL_SIR_NOPM_2_20190331T110612_20190331T112914_C001 CS OFFL SIR NOPM 2 20190331T113533 20190331T113938 C001 CS_OFFL_SIR_NOPM_2_20190331T114112_20190331T115443_C001 CS_OFFL_SIR_NOPM_2_20190331T115630_20190331T120241_C001 CS OFFL SIR NOPM 2 20190331T120423 20190331T120904 C001 CS_OFFL_SIR_NOPM_2_20190331T123352_20190331T130715_C001 CS_OFFL_SIR_NOPM_2_20190331T130914_20190331T131423_C001 CS OFFL SIR NOPM 2 20190331T131443 20190331T131739 C001 CS_OFFL_SIR_NOPM_2_20190331T132522_20190331T135546_C001 CS_OFFL_SIR_NOPM_2_20190331T141552_20190331T142954_C001 CS OFFL SIR NOPM 2 20190331T143046 20190331T144634 C001 CS_OFFL_SIR_NOPM_2_20190331T144817_20190331T145321_C001 CS OFFL SIR NOPM 2 20190331T150254 20190331T151257 C001 CS OFFL SIR NOPM 2 20190331T151917 20190331T153043 C001 CS OFFL SIR NOPM 2 20190331T155321 20190331T160907 C001 CS_OFFL_SIR_NOPM_2_20190331T161047_20190331T162532_C001 CS_OFFL_SIR_NOPM_2_20190331T162732_20190331T163231_C001 CS_OFFL_SIR_NOPM_2_20190331T163257_20190331T163306_C001 CS OFFL SIR NOPM 2 20190331T163940 20190331T170253 C001 CS_OFFL_SIR_NOPM_2_20190331T174200_20190331T180503_C001 CS_OFFL_SIR_NOPM_2_20190331T180814_20190331T181148_C001 CS OFFL SIR NOPM_2_20190331T181752_20190331T184657_C001 CS_OFFL_SIR_NOPM_2_20190331T191751_20190331T194422_C001 CS_OFFL_SIR_NOPM_2_20190331T194556_20190331T195102_C001 CS OFFL SIR NOPM 2 20190331T195109 20190331T195436 C001 CS_OFFL_SIR_NOPM_2_20190331T195716_20190331T200906_C001 CS_OFFL_SIR_NOPM_2_20190331T201444_20190331T203156_C001 CS OFFL SIR NOPM 2 20190331T205433 20190331T210503 C001 CS OFFL SIR NOPM 2 20190331T211745 20190331T212417 C001 CS_OFFL_SIR_NOPM_2_20190331T212555_20190331T213134_C001 CS OFFL SIR NOPM 2 20190331T213638 20190331T221041 C001 CS_OFFL_SIR_NOPM_2_20190331T222431_20190331T222526_C001 CS OFFL SIR NOPM 2 20190331T224406 20190331T230345 C001 CS_OFFL_SIR_NOPM_2_20190331T230519_20190331T231028_C001 CS_OFFL_SIR_NOPM_2_20190331T231545_20190331T235023_C001 CS OFFL SIR NOPN 2 20190331T113939 20190331T114103 C001 CS_OFFL_SIR_NOPN_2_20190331T195102_20190331T195109_C001 CS_OFFL_SIR_NOPN_2_20190331T195436_20190331T195607_C001 CS OFFL SIR NOPN 2 20190331T231029 20190331T231335 C001 CS_OFFL_SIR_NOPR_2_20190331T020438_20190331T020918_C001

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

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

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

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

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 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

CS_OFFL_SIR_NOPR_2_20190331T081057_20190331T081220_C001

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

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

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.

56

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: