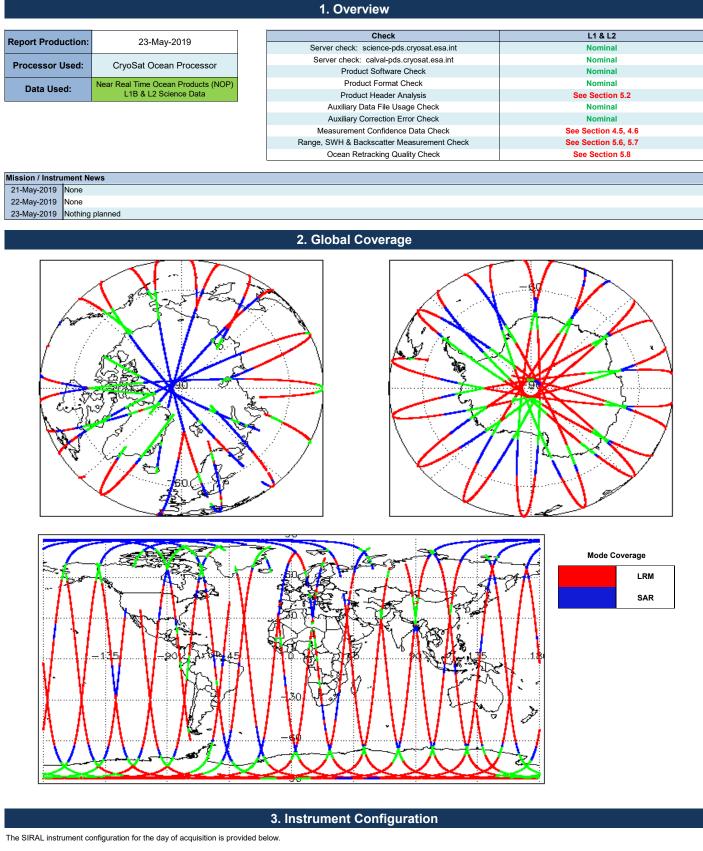


IDEAS+ Daily Report for NOP data:

22/05/2019





SIRAL instrument(s) in use:

SIRAL - A

0

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.

16

Number of products with errors:

D	-	4.	 - 4

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20190522T061740_20190522T061922_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20190522T092150_20190522T092627_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190522T002826_20190522T003435_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190522T013151_20190522T013359_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190522T075456_20190522T075554_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190522T125635_20190522T125850_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190522T180027_20190522T180057_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190522T225749_20190522T230203_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190522T005830_20190522T010008_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190522T043914_20190522T043945_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190522T093540_20190522T093737_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190522T094037_20190522T094821_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190522T125119_20190522T125236_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190522T195019_20190522T195339_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190522T203053_20190522T203410_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190522T212210_20190522T212935_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 fla	g for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:	0

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. 76

Number of products with errors:

Product CS OFFL SIR NOPM 2 20190521T235506 20190522T001040 C001	Test Failed Ocean Range Averaging Status	Description The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20190522T001254_20190522T002745_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T003436_20190522T003649_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T003732_20190522T004150_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T004354_20190522T005829_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T010008_20190522T011631_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T012848_20190522T012917_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T013805_20190522T014810_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T015442_20190522T020903_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T021227_20190522T022053_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T022325_20190522T024557_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T032151_20190522T032442_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T032513_20190522T034810_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T035415_20190522T035907_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T040255_20190522T042800_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T050041_20190522T051035_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T051613_20190522T052658_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T053335_20190522T053933_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T054122_20190522T061003_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T061740_20190522T061922_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T063222_20190522T070557_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T071243_20190522T071804_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T072036_20190522T072351_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T072440_20190522T072602_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T075554_20190522T075946_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T081130_20190522T082045_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T082330_20190522T084528_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T085251_20190522T085658_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T085954_20190522T091205_C001	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
CS_OFFL_SIR_NOPM_2_20190522T091353_20190522T091955_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20190522T095039_20190522T102401_C001	Ocean Range Averaging Status	The loc Range Averaging Status Flag has been set for one or more The loc Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20190522T102641_20190522T103143_C001	Ice Range Averaging Status	The loc Range Averaging Status Flag has been set for one or more The loc Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20190522T103204_20190522T103513_C001	Ice Range Averaging Status	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
CS_OFFL_SIR_NOPM_2_20190522T104244_20190522T111349_C001	Ocean Range Averaging Status	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
CS_OFFL_SIR_NOPM_2_20190522T113203_20190522T114125_C001	Ocean Range Averaging Status	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
CS_OFFL_SIR_NOPM_2_20190522T114440_20190522T120327_C001	Ocean Range Averaging Status	The loc Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20190522T120532_20190522T121041_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20190522T121048_20190522T121054_C001	Ice Range Averaging Status	The loc Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20190522T121118_20190522T121248_C001	Ice Range Averaging Status	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
CS_OFFL_SIR_NOPM_2_20190522T122029_20190522T123036_C001	Ocean Range Averaging Status	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
CS_OFFL_SIR_NOPM_2_20190522T123639_20190522T124925_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20190522T131607_20190522T132625_C001	Ocean Range Averaging Status	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
CS_OFFL_SIR_NOPM_2_20190522T132804_20190522T134220_C001	Ocean Range Averaging Status	The loc Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20190522T134451_20190522T134951_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20190522T135032_20190522T135134_C001	Ice Range Averaging Status	records.

CS_OFFL_SIR_NOPM_2_20190522T135829_20190522T140013_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T140153_20190522T141306_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T141424_20190522T142017_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T145904_20190522T152115_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T152529_20190522T152908_C001	Ice Range Averaging Status
CS_OFFL_SIR_NOPM_2_20190522T152930_20190522T153234_C001	Ice Range Averaging Status
CS_OFFL_SIR_NOPM_2_20190522T153550_20190522T160243_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T163529_20190522T170116_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T170311_20190522T170822_C001	Ice Range Averaging Status
CS_OFFL_SIR_NOPM_2_20190522T171530_20190522T172627_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T173206_20190522T174859_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T181226_20190522T181836_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T183500_20190522T184033_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T184310_20190522T184855_C001	Ice Range Averaging Status
CS_OFFL_SIR_NOPM_2_20190522T185503_20190522T192834_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T194147_20190522T194241_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T200002_20190522T201946_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T202237_20190522T202748_C001	Ice Range Averaging Status
CS_OFFL_SIR_NOPM_2_20190522T203410_20190522T205604_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T205626_20190522T210816_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T211956_20190522T212210_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T213748_20190522T215732_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T220434_20190522T220650_C001	Ice Range Averaging Status
CS_OFFL_SIR_NOPM_2_20190522T221400_20190522T224627_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T230242_20190522T232131_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T232203_20190522T233509_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPM_2_20190522T234732_20190522T235101_C001	Ice Range Averaging Status
CS_OFFL_SIR_NOPM_2_20190522T235257_20190523T000824_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPN_2_20190522T125237_20190522T125512_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPR_2_20190522T051036_20190522T051613_C001	Ocean Range Averaging Statu
CS_OFFL_SIR_NOPR_2_20190522T205604_20190522T205626_C001	Ocean Range Averaging Statu

us	The Ocean Range Averaging Status Flag has been set for one or more records.
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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_20190521T235506_20190522T001040_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_20190522T001254_20190522T002745_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_20190522T003732_20190522T004150_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T004354_20190522T005829_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_20190522T010008_20190522T011631_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_20190522T012848_20190522T012917_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T013805_20190522T014810_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_20190522T015442_20190522T020903_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_20190522T021227_20190522T022053_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T022325_20190522T024557_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_20190522T032513_20190522T034810_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_20190522T035415_20190522T035907_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_NOPM_2_20190522T040255_20190522T042800_C001 CS_OFFL_SIR_NOPM_2_20190522T050041_20190522T051035_C001 CS_OFFL_SIR_NOPM_2_20190522T051613_20190522T052658_C001 CS_OFFL_SIR_NOPM_2_20190522T053335_20190522T053933_C001 CS OFFL SIR NOPM 2 20190522T054122 20190522T061003 C001 CS_OFFL_SIR_NOPM_2_20190522T063222_20190522T070557_C001 CS OFFL SIR NOPM 2 20190522T071243 20190522T071804 C001 CS OFFL SIR NOPM 2 20190522T072036 20190522T072351 C001 CS_OFFL_SIR_NOPM_2_20190522T075554_20190522T075946_C001 CS_OFFL_SIR_NOPM_2_20190522T081130_20190522T082045_C001 CS OFFL SIR NOPM 2 20190522T082330 20190522T084528 C001 CS_OFFL_SIR_NOPM_2_20190522T085251_20190522T085658_C001 CS OFFL SIR NOPM 2 20190522T085954 20190522T091205 C001 CS_OFFL_SIR_NOPM_2_20190522T091353_20190522T091955_C001 CS_OFFL_SIR_NOPM_2_20190522T095039_20190522T102401_C001 CS OFFL SIR NOPM 2 20190522T102641 20190522T103143 C001 CS OFFL SIR NOPM 2 20190522T103204 20190522T103513 C001 CS_OFFL_SIR_NOPM_2_20190522T104244_20190522T111349_C001 CS OFFL SIR NOPM 2 20190522T113203 20190522T114125 C001 CS_OFFL_SIR_NOPM_2_20190522T114440_20190522T120327_C001 CS_OFFL_SIR_NOPM_2_20190522T120532_20190522T121041_C001 CS OFFL SIR NOPM 2 20190522T121048 20190522T121054 C001 CS_OFFL_SIR_NOPM_2_20190522T121118_20190522T121248_C001 CS OFFL SIR NOPM 2 20190522T122029 20190522T123036 C001 CS OFFL SIR NOPM 2 20190522T123639 20190522T124925 C001 CS OFFL SIR NOPM 2 20190522T131607 20190522T132625 C001 CS_OFFL_SIR_NOPM_2_20190522T132804_20190522T134220_C001 CS_OFFL_SIR_NOPM_2_20190522T134451_20190522T134951_C001 CS_OFFL_SIR_NOPM_2_20190522T135032_20190522T135134_C001 CS OFFL SIR NOPM 2 20190522T135829 20190522T140013 C001 CS_OFFL_SIR_NOPM_2_20190522T140153_20190522T141306_C001 CS_OFFL_SIR_NOPM_2_20190522T141424_20190522T142017_C001 CS OFFL SIR NOPM_2_20190522T145904_20190522T152115_C001 CS_OFFL_SIR_NOPM_2_20190522T152529_20190522T152908_C001 CS_OFFL_SIR_NOPM_2_20190522T152930_20190522T153234_C001 CS OFFL SIR NOPM 2 20190522T153550 20190522T160243 C001 CS_OFFL_SIR_NOPM_2_20190522T163529_20190522T170116_C001 CS_OFFL_SIR_NOPM_2_20190522T170311_20190522T170822_C001 CS OFFL SIR NOPM 2 20190522T171530 20190522T172627 C001 CS OFFL SIR NOPM 2 20190522T173206 20190522T174859 C001 CS_OFFL_SIR_NOPM_2_20190522T181226_20190522T181836_C001 CS OFFL SIR NOPM 2 20190522T183500 20190522T184033 C001 CS_OFFL_SIR_NOPM_2_20190522T184310_20190522T184855_C001 CS OFFL SIR NOPM 2 20190522T184919 20190522T185057 C001 CS_OFFL_SIR_NOPM_2_20190522T185503_20190522T192834_C001 CS_OFFL_SIR_NOPM_2_20190522T194147_20190522T194241_C001 CS OFFL SIR NOPM 2 20190522T200002 20190522T201946 C001 CS_OFFL_SIR_NOPM_2_20190522T202237_20190522T202748_C001 CS_OFFL_SIR_NOPM_2_20190522T203410_20190522T205604_C001 CS OFFL SIR NOPM 2 20190522T205626 20190522T210816 C001 CS_OFFL_SIR_NOPM_2_20190522T211956_20190522T212210_C001 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 SWH Averaging Status, Ocean

Ice Backscatter Averaging Status

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

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

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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, Ocean Backscatter Averaging Status, Ocean

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

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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.

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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 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 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.

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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 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 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.

CS_OFFL_SIR_NOPM_2_20190522T213748_20190522T215732_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_20190522T220434_20190522T220650_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T221400_20190522T224627_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_20190522T230242_20190522T232131_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_20190522T232203_20190522T233509_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_20190522T234732_20190522T235101_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190522T235257_20190523T000824_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_20190522T125237_20190522T125512_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_20190522T051036_20190522T051613_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_20190522T205604_20190522T205626_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.

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: