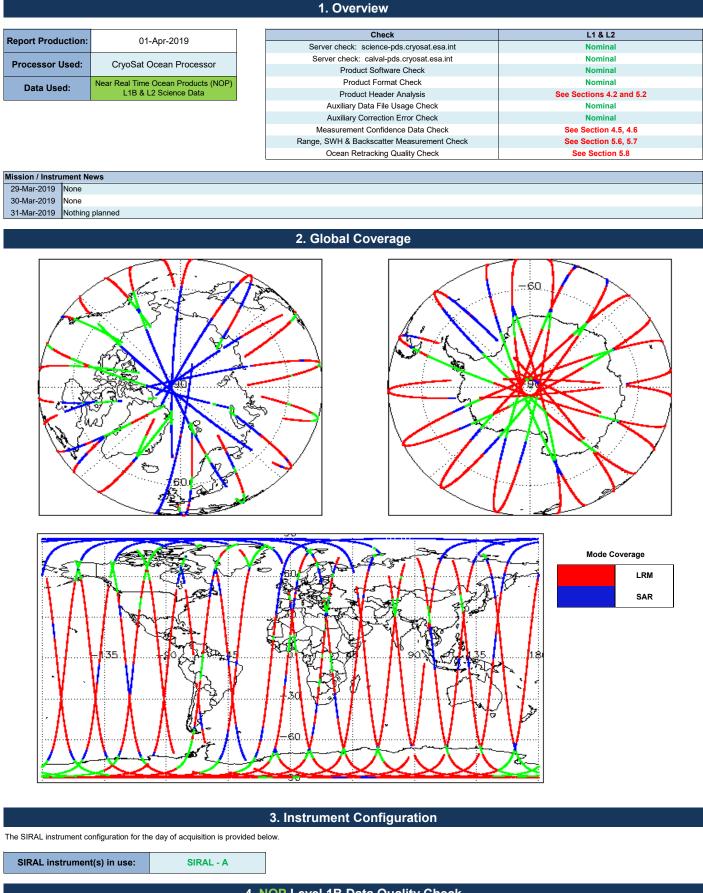


IDEAS+ Daily Report for NOP data:

30/03/2019





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).

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

4.3 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.

10

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20190330T200454_20190330T203540_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190330T014252_20190330T014713_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190330T032433_20190330T032659_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190330T040336_20190330T040727_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190330T094139_20190330T094342_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190330T100421_20190330T100612_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190330T000716_20190330T001730_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190330T043230_20190330T044046_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190330T095425_20190330T100213_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190330T162427_20190330T162655_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).

0

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. 73

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190330T000507_20190330T000526_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190330T002247_20190330T004045_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190330T004314_20190330T004520_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190330T005857_20190330T012828_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190330T014754_20190330T020627_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190330T020712_20190330T022031_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_NOPM_2_20190330T022909_20190330T023106_C001 CS_OFFL_SIR_NOPM_2_20190330T023232_20190330T023608_C001 CS_OFFL_SIR_NOPM_2_20190330T023745_20190330T025327_C001 CS_OFFL_SIR_NOPM_2_20190330T025529_20190330T030450_C001 CS OFFL SIR NOPM 2 20190330T033235 20190330T034412 C001 CS OFFL SIR NOPM 2 20190330T040026 20190330T040135 C001 CS OFFL SIR NOPM 2 20190330T041036 20190330T041509 C001 CS OFFL SIR NOPM 2 20190330T041657 20190330T043230 C001 CS_OFFL_SIR_NOPM_2_20190330T051029_20190330T051740_C001 CS OFFL SIR NOPM 2 20190330T051751 20190330T054319 C001 CS_OFFL_SIR_NOPM_2_20190330T054542_20190330T054758_C001 CS_OFFL_SIR_NOPM_2_20190330T054803_20190330T055404_C001 CS OFFL SIR NOPM 2 20190330T055619 20190330T062231 C001 CS_OFFL_SIR_NOPM_2_20190330T065333_20190330T070452_C001 CS_OFFL_SIR_NOPM_2_20190330T071027_20190330T072222_C001 CS OFFL SIR NOPM 2 20190330T072753 20190330T073208 C001 CS OFFL SIR NOPM 2 20190330T073510 20190330T080511 C001 CS_OFFL_SIR_NOPM_2_20190330T082809_20190330T084406_C001 CS_OFFL_SIR_NOPM_2_20190330T084725_20190330T090127_C001 CS_OFFL_SIR_NOPM_2_20190330T090704_20190330T091245_C001 CS_OFFL_SIR_NOPM_2_20190330T091403_20190330T092026_C001 CS OFFL SIR NOPM 2 20190330T100612 20190330T104048 C001 CS_OFFL_SIR_NOPM_2_20190330T104608_20190330T105119_C001 CS OFFL SIR NOPM 2 20190330T105303 20190330T111253 C001 CS OFFL SIR NOPM 2 20190330T114455 20190330T121837 C001 CS OFFL SIR NOPM 2 20190330T122614 20190330T123026 C001 CS_OFFL_SIR_NOPM_2_20190330T132644_20190330T133543_C001 CS_OFFL_SIR_NOPM_2_20190330T134024_20190330T134202_C001 CS_OFFL_SIR_NOPM_2_20190330T134226_20190330T135811_C001 CS OFFL SIR NOPM 2 20190330T141229 20190330T141249 C001 CS_OFFL_SIR_NOPM_2_20190330T141618_20190330T142839_C001 CS_OFFL_SIR_NOPM_2_20190330T143035_20190330T144258_C001 CS OFFL SIR NOPM 2 20190330T151013 20190330T151944 C001 CS_OFFL_SIR_NOPM_2_20190330T152147_20190330T153723_C001 CS_OFFL_SIR_NOPM_2_20190330T153912_20190330T154406_C001 CS OFFL SIR NOPM 2 20190330T154423 20190330T154434 C001 CS_OFFL_SIR_NOPM_2_20190330T154441_20190330T154557_C001 CS_OFFL_SIR_NOPM_2_20190330T155210_20190330T155458_C001 CS OFFL SIR NOPM 2 20190330T161145 20190330T162304 C001 CS OFFL SIR NOPM 2 20190330T165959 20190330T171630 C001 CS_OFFL_SIR_NOPM_2_20190330T171854_20190330T172333_C001 CS OFFL SIR NOPM 2 20190330T172914 20190330T175312 C001 CS_OFFL_SIR_NOPM_2_20190330T182932_20190330T185605_C001 CS OFFL SIR NOPM 2 20190330T185752 20190330T190233 C001 CS_OFFL_SIR_NOPM_2_20190330T190253_20190330T190617_C001 CS_OFFL_SIR_NOPM_2_20190330T190837_20190330T192046_C001 CS OFFL SIR NOPM 2 20190330T192620 20190330T193614 C001 CS_OFFL_SIR_NOPM_2_20190330T193810_20190330T194104_C001 CS_OFFL_SIR_NOPM_2_20190330T200454_20190330T203539_C001 CS OFFL SIR NOPM 2 20190330T203707 20190330T204147 C001 CS OFFL SIR NOPM 2 20190330T204151 20190330T204522 C001

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

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

CS_OFFL_SIR_NOPM_2_20190330T204755_20190330T212308_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190330T213606_20190330T213753_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190330T220727_20190330T221000_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190330T221200_20190330T221506_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190330T221652_20190330T222213_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190330T222722_20190330T225019_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190330T225305_20190330T230214_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190330T231445_20190330T231824_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190330T233426_20190330T233915_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190330T234103_20190330T235407_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
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_NOPN_2_20190330T073208_20190330T073502_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190330T180631_20190330T181020_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190330T185614_20190330T185751_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190330T154407_20190330T154409_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190330T192046_20190330T192620_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. 75

Number of products with errors:

Test Failed	Description
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
	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 Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean <

CS_OFFL_SIR_NOPM_2_20190330T100612_20190330T104048_C001 CS OFFL SIR NOPM 2 20190330T104608 20190330T105119 C001 CS_OFFL_SIR_NOPM_2_20190330T105303_20190330T111253_C001 CS_OFFL_SIR_NOPM_2_20190330T114455_20190330T121837_C001 CS OFFL SIR NOPM 2 20190330T122614 20190330T123026 C001 CS_OFFL_SIR_NOPM_2_20190330T132644_20190330T133543_C001 CS OFFL SIR NOPM 2 20190330T134024 20190330T134202 C001 CS OFFL SIR NOPM 2 20190330T134226 20190330T135811 C001 CS_OFFL_SIR_NOPM_2_20190330T135946_20190330T140506_C001 CS_OFFL_SIR_NOPM_2_20190330T140525_20190330T140731_C001 CS OFFL SIR NOPM 2 20190330T141618 20190330T142839 C001 CS_OFFL_SIR_NOPM_2_20190330T143035_20190330T144258_C001 CS OFFL SIR NOPM 2 20190330T151013 20190330T151944 C001 CS_OFFL_SIR_NOPM_2_20190330T152147_20190330T153723_C001 CS_OFFL_SIR_NOPM_2_20190330T153912_20190330T154406_C001 CS OFFL SIR NOPM 2 20190330T154423 20190330T154434 C001 CS_OFFL_SIR_NOPM_2_20190330T154441_20190330T154557_C001 CS_OFFL_SIR_NOPM_2_20190330T155210_20190330T155458_C001 CS_OFFL_SIR_NOPM_2_20190330T161145_20190330T162304_C001 CS_OFFL_SIR_NOPM_2_20190330T165959_20190330T171630_C001 CS_OFFL_SIR_NOPM_2_20190330T171854_20190330T172333_C001 CS OFFL SIR NOPM 2 20190330T172355 20190330T172521 C001 CS_OFFL_SIR_NOPM_2_20190330T172914_20190330T175312_C001 CS OFFL SIR NOPM 2 20190330T182932 20190330T185605 C001 CS OFFL SIR NOPM 2 20190330T185752 20190330T190233 C001 CS OFFL SIR NOPM 2 20190330T190253 20190330T190617 C001 CS_OFFL_SIR_NOPM_2_20190330T190837_20190330T192046_C001 CS_OFFL_SIR_NOPM_2_20190330T192620_20190330T193614_C001 CS_OFFL_SIR_NOPM_2_20190330T193810_20190330T194104_C001 CS OFFL SIR NOPM 2 20190330T200454 20190330T203539 C001 CS_OFFL_SIR_NOPM_2_20190330T203707_20190330T204147_C001 CS_OFFL_SIR_NOPM_2_20190330T204151_20190330T204522_C001 CS OFFL SIR NOPM 2 20190330T204755 20190330T212308 C001 CS_OFFL_SIR_NOPM_2_20190330T213606_20190330T213753_C001 CS OFFL SIR NOPM 2 20190330T220727 20190330T221000 C001 CS OFFL SIR NOPM 2 20190330T221200 20190330T221506 C001 CS_OFFL_SIR_NOPM_2_20190330T221652_20190330T222213_C001 CS OFFL SIR NOPM 2 20190330T222722 20190330T225019 C001 CS OFFL SIR NOPM 2 20190330T225305 20190330T230214 C001 CS_OFFL_SIR_NOPM_2_20190330T231445_20190330T231824_C001 CS_OFFL_SIR_NOPM_2_20190330T233426_20190330T233915_C001 CS OFFL SIR NOPM 2 20190330T234103 20190330T235407 C001 CS_OFFL_SIR_NOPM_2_20190330T235643_20190331T000112_C001 CS_OFFL_SIR_NOPN_2_20190330T073208_20190330T073502_C001 CS_OFFL_SIR_NOPN_2_20190330T180631_20190330T181020_C001 CS_OFFL_SIR_NOPN_2_20190330T185614_20190330T185751_C001 CS OFFL SIR NOPR 2 20190330T154407 20190330T154409 C001 CS_OFFL_SIR_NOPR_2_20190330T192046_20190330T192620_C001

SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

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

Ice Backscatter Averaging Status 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

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Ice 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 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

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

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

Ice Backscatter Averaging Status

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

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.

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.

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.

47

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: