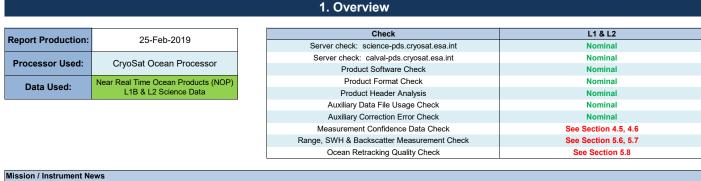
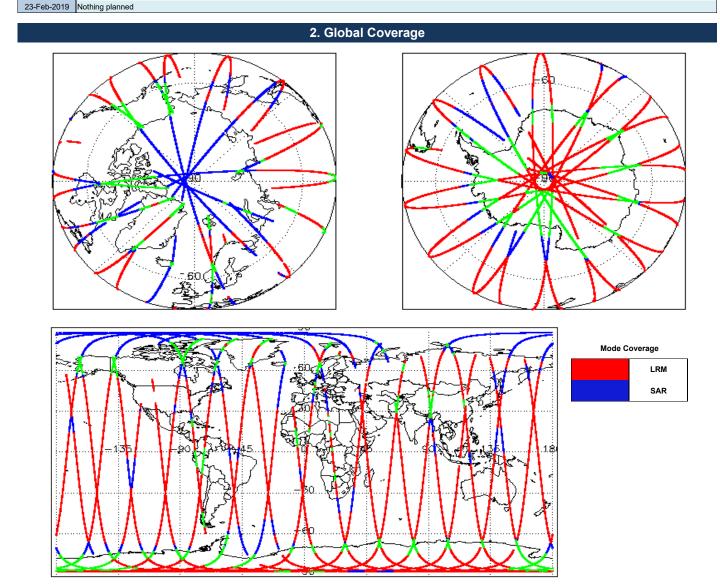


IDEAS+ Daily Report for NOP data:

22/02/2019



21-Feb-2019 None 22-Feb-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_20190222T091643_20190222T091749_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20190222T103448_20190222T103630_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20190222T181958_20190222T182923_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190222T040542_20190222T040703_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190222T044542_20190222T044721_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190222T054644_20190222T054732_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190222T072411_20190222T072914_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190222T085716_20190222T085749_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190222T234710_20190222T234918_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190222T053923_20190222T054004_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190222T085518_20190222T085716_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190222T085925_20190222T090430_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. 84

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190222T000229_20190222T002501_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T002746_20190222T003627_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T004943_20190222T005224_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T010857_20190222T012843_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_NOPM_2_20190222T013055_20190222T013555_C001 CS OFFL SIR NOPM 2 20190222T014123 20190222T021448 C001 CS_OFFL_SIR_NOPM_2_20190222T024035_20190222T030331_C001 CS_OFFL_SIR_NOPM_2_20190222T030643_20190222T030701_C001 CS OFFL SIR NOPM 2 20190222T031307 20190222T031459 C001 CS OFFL SIR NOPM 2 20190222T032139 20190222T032910 C001 CS OFFL SIR NOPM 2 20190222T032914 20190222T033745 C001 CS OFFL SIR NOPM 2 20190222T033748 20190222T033921 C001 CS_OFFL_SIR_NOPM_2_20190222T034402_20190222T035221_C001 CS_OFFL_SIR_NOPM_2_20190222T040703_20190222T040951_C001 CS_OFFL_SIR_NOPM_2_20190222T041141_20190222T042801_C001 CS_OFFL_SIR_NOPM_2_20190222T043015_20190222T044455_C001 CS OFFL SIR NOPM 2 20190222T050049 20190222T051625 C001 CS_OFFL_SIR_NOPM_2_20190222T051825_20190222T052746_C001 CS_OFFL_SIR_NOPM_2_20190222T055553_20190222T060715_C001 CS OFFL SIR NOPM 2 20190222T061221 20190222T062721 C001 CS OFFL SIR NOPM 2 20190222T062954 20190222T063815 C001 CS_OFFL_SIR_NOPM_2_20190222T064019_20190222T065727_C001 CS_OFFL_SIR_NOPM_2_20190222T065944_20190222T070155_C001 CS_OFFL_SIR_NOPM_2_20190222T073912_20190222T080625_C001 CS_OFFL_SIR_NOPM_2_20190222T081135_20190222T081637_C001 CS OFFL SIR NOPM 2 20190222T081914 20190222T084502 C001 CS_OFFL_SIR_NOPM_2_20190222T091643_20190222T091749_C001 CS OFFL SIR NOPM 2 20190222T091801 20190222T092756 C001 CS OFFL SIR NOPM 2 20190222T093335 20190222T094524 C001 CS OFFL SIR NOPM 2 20190222T095057 20190222T095658 C001 CS_OFFL_SIR_NOPM_2_20190222T095829_20190222T102047_C001 CS_OFFL_SIR_NOPM_2_20190222T103448_20190222T103630_C001 CS_OFFL_SIR_NOPM_2_20190222T104954_20190222T112411_C001 CS OFFL SIR NOPM 2 20190222T113005 20190222T113529 C001 CS_OFFL_SIR_NOPM_2_20190222T113704_20190222T114324_C001 CS_OFFL_SIR_NOPM_2_20190222T121334_20190222T121609_C001 CS OFFL SIR NOPM_2_20190222T122937_20190222T123806_C001 CS_OFFL_SIR_NOPM_2_20190222T124051_20190222T130342_C001 CS_OFFL_SIR_NOPM_2_20190222T130900_20190222T131008_C001 CS OFFL SIR NOPM 2 20190222T131013 20190222T131421 C001 CS_OFFL_SIR_NOPM_2_20190222T131546_20190222T132927_C001 CS_OFFL_SIR_NOPM_2_20190222T133114_20190222T133556_C001 CS OFFL SIR NOPM 2 20190222T140804 20190222T144201 C001 CS OFFL SIR NOPM 2 20190222T144409 20190222T144906 C001 CS_OFFL_SIR_NOPM_2_20190222T144927_20190222T145250_C001 CS_OFFL_SIR_NOPM_2_20190222T145510_20190222T145718_C001 CS_OFFL_SIR_NOPM_2_20190222T150007_20190222T153127_C001 CS OFFL SIR NOPM 2 20190222T155131 20190222T155845 C001 CS_OFFL_SIR_NOPM_2_20190222T160437_20190222T162113_C001 CS_OFFL_SIR_NOPM_2_20190222T162252_20190222T162804_C001 CS OFFL SIR NOPM 2 20190222T162840 20190222T163013 C001 CS_OFFL_SIR_NOPM_2_20190222T163804_20190222T165146_C001 CS_OFFL_SIR_NOPM_2_20190222T165400_20190222T170522_C001 CS OFFL SIR NOPM 2 20190222T173326 20190222T174221 C001 CS_OFFL_SIR_NOPM_2_20190222T174223_20190222T174346_C001 Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status 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 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 Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status

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

CS_OFFL_SIR_NOPM_2_20190222T174525_20190222T180016_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T180214_20190222T180715_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T181550_20190222T181718_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T181958_20190222T182923_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T183241_20190222T183737_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T191624_20190222T193931_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T194248_20190222T194631_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T195238_20190222T201942_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T204232_20190222T204313_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T205305_20190222T211853_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T212030_20190222T212545_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T212552_20190222T212919_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T213208_20190222T214348_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T214926_20190222T220602_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T222955_20190222T223738_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T223741_20190222T224737_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T225219_20190222T225847_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T230030_20190222T230619_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T231131_20190222T234516_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T235912_20190222T235957_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190222T044753_20190222T045200_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190222T045411_20190222T045458_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190222T181718_20190222T181958_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190222T194647_20190222T194653_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190222T054732_20190222T054922_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190222T085925_20190222T090430_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190222T121609_20190222T121612_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190222T224738_20190222T225219_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190222T225847_20190222T225904_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. 78

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190222T000229_20190222T002501_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_20190222T002746_20190222T003627_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_20190222T004943_20190222T005224_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_20190222T010857_20190222T012843_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_20190222T013055_20190222T013555_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T014123_20190222T021448_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_20190222T024035_20190222T030331_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_20190222T031307_20190222T031459_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T032139_20190222T032910_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_20190222T033748_20190222T033921_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_20190222T034402_20190222T035221_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_20190222T040703_20190222T040951_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T041141_20190222T042801_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_20190222T043015_20190222T044455_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_20190222T045201_20190222T045411_C001 CS_OFFL_SIR_NOPM_2_20190222T050049_20190222T051625_C001 CS_OFFL_SIR_NOPM_2_20190222T051825_20190222T052746_C001 CS_OFFL_SIR_NOPM_2_20190222T055553_20190222T060715_C001 CS OFFL SIR NOPM 2 20190222T061221 20190222T062721 C001 CS OFFL SIR NOPM 2 20190222T062954 20190222T063815 C001 CS OFFL SIR NOPM 2 20190222T064019 20190222T065727 C001 CS OFFL SIR NOPM 2 20190222T065944 20190222T070155 C001 CS_OFFL_SIR_NOPM_2_20190222T073912_20190222T080625_C001 CS_OFFL_SIR_NOPM_2_20190222T081135_20190222T081637_C001 CS_OFFL_SIR_NOPM_2_20190222T081914_20190222T084502_C001 CS_OFFL_SIR_NOPM_2_20190222T091643_20190222T091749_C001 CS OFFL SIR NOPM 2 20190222T091801 20190222T092756 C001 CS_OFFL_SIR_NOPM_2_20190222T093335_20190222T094524_C001 CS_OFFL_SIR_NOPM_2_20190222T095057_20190222T095658_C001 CS OFFL SIR NOPM 2 20190222T095829 20190222T102047 C001 CS_OFFL_SIR_NOPM_2_20190222T103448_20190222T103630_C001 CS_OFFL_SIR_NOPM_2_20190222T104954_20190222T112411_C001 CS_OFFL_SIR_NOPM_2_20190222T113005_20190222T113529_C001 CS_OFFL_SIR_NOPM_2_20190222T113704_20190222T114324_C001 CS_OFFL_SIR_NOPM_2_20190222T121334_20190222T121609_C001 CS OFFL SIR NOPM 2 20190222T122937 20190222T123806 C001 CS_OFFL_SIR_NOPM_2_20190222T124051_20190222T130342_C001 CS OFFL SIR NOPM 2 20190222T131013 20190222T131421 C001 CS OFFL SIR NOPM 2 20190222T131546 20190222T132927 C001 CS_OFFL_SIR_NOPM_2_20190222T133114_20190222T133556_C001 CS_OFFL_SIR_NOPM_2_20190222T140804_20190222T144201_C001 CS_OFFL_SIR_NOPM_2_20190222T144409_20190222T144906_C001 CS_OFFL_SIR_NOPM_2_20190222T144927_20190222T145250_C001 CS OFFL SIR NOPM 2 20190222T145510 20190222T145718 C001 CS_OFFL_SIR_NOPM_2_20190222T150007_20190222T153127_C001 CS_OFFL_SIR_NOPM_2_20190222T155131_20190222T155845_C001 CS OFFL SIR NOPM 2 20190222T160437 20190222T162113 C001 CS_OFFL_SIR_NOPM_2_20190222T162252_20190222T162804_C001 CS_OFFL_SIR_NOPM_2_20190222T162840_20190222T163013_C001 CS OFFL SIR NOPM 2 20190222T163804 20190222T165146 C001 CS_OFFL_SIR_NOPM_2_20190222T165400_20190222T170522_C001 CS_OFFL_SIR_NOPM_2_20190222T173326_20190222T174221_C001 CS OFFL SIR NOPM 2 20190222T174525 20190222T180016 C001 CS OFFL SIR NOPM 2 20190222T180214 20190222T180715 C001 CS_OFFL_SIR_NOPM_2_20190222T181550_20190222T181718_C001 CS_OFFL_SIR_NOPM_2_20190222T181958_20190222T182923_C001 CS_OFFL_SIR_NOPM_2_20190222T183241_20190222T183737_C001 CS OFFL SIR NOPM 2 20190222T191624 20190222T193931 C001 CS_OFFL_SIR_NOPM_2_20190222T194248_20190222T194631_C001 CS_OFFL_SIR_NOPM_2_20190222T195238_20190222T201942_C001 CS OFFL SIR NOPM 2 20190222T204232 20190222T204313 C001 CS_OFFL_SIR_NOPM_2_20190222T205305_20190222T211853_C001 CS_OFFL_SIR_NOPM_2_20190222T212030_20190222T212545_C001 CS OFFL SIR NOPM 2 20190222T212552 20190222T212919 C001 CS_OFFL_SIR_NOPM_2_20190222T213208_20190222T214348_C001 Ice Backscatter Averaging Status

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

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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

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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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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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 SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

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

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

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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.

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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.

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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.

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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.

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

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

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

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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

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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 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.

CS_OFFL_SIR_NOPM_2_20190222T214926_20190222T220602_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_20190222T223741_20190222T224737_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_20190222T225219_20190222T225847_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_20190222T230030_20190222T230619_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190222T231131_20190222T234516_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_20190222T044753_20190222T045200_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190222T045411_20190222T045458_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190222T194647_20190222T194653_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190222T054732_20190222T054922_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_20190222T085925_20190222T090430_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_20190222T121609_20190222T121612_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_20190222T224738_20190222T225219_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_20190222T225847_20190222T225904_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.

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: 54