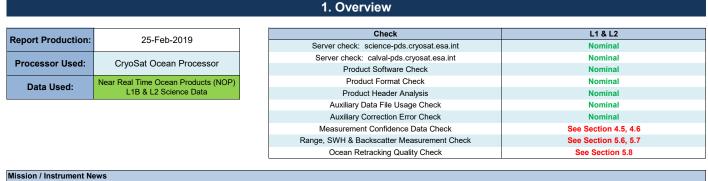
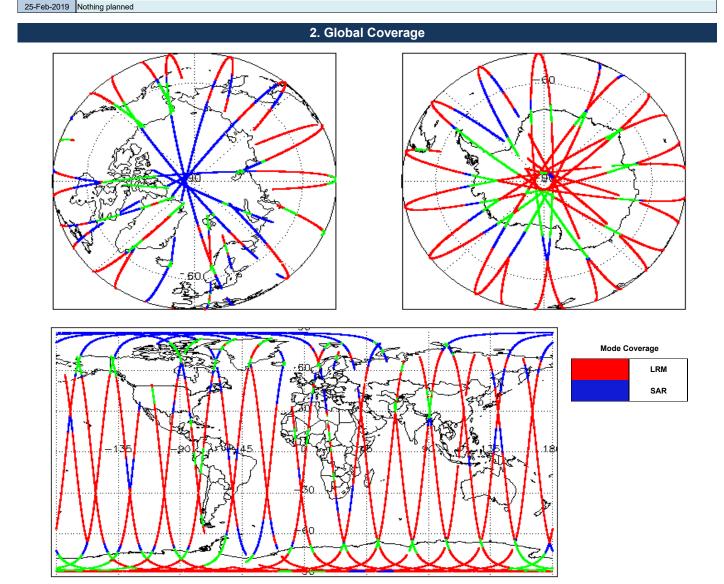


IDEAS+ Daily Report for NOP data:

24/02/2019



23-Feb-2019 None 24-Feb-2019 None 25-Feb-2019 Nothing planne



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

14

Number of products with errors:

| Product | Test Failed | Description |
|---|--------------|--|
| CS_OFFL_SIR_NOPM1B_20190224T095600_20190224T102454_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPM1B_20190224T103222_20190224T103406_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPM1B_20190224T184748_20190224T184802_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190224T004547_20190224T004647_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190224T044319_20190224T044933_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190224T054414_20190224T054459_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190224T072145_20190224T072450_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190224T181500_20190224T181706_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPR1B_20190224T021348_20190224T021432_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPR1B_20190224T085250_20190224T085443_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPR1B_20190224T102459_20190224T102604_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPR1B_20190224T135029_20190224T135237_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPR1B_20190224T152852_20190224T152913_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPR1B_20190224T185758_20190224T185850_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 77

Number of products with errors:

| Product | Test Failed | Description |
|---|-------------------------------|---|
| CS_OFFL_SIR_NOPM_2_20190224T000003_20190224T002235_C001 | Ocean Rande Averading Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T002521_20190224T003407_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T004713_20190224T005015_C001 | IUcean Rande Averading Status | The Ocean Range Averaging Status Flag has been set for one or more records. |

CS_OFFL_SIR_NOPM_2_20190224T010633_20190224T012619_C001 CS OFFL SIR NOPM 2 20190224T013859 20190224T021214 C001 CS_OFFL_SIR_NOPM_2_20190224T023719_20190224T030104_C001 CS_OFFL_SIR_NOPM_2_20190224T031912_20190224T033513_C001 CS OFFL SIR NOPM 2 20190224T033534 20190224T033655 C001 CS_OFFL_SIR_NOPM_2_20190224T034136_20190224T035004_C001 CS OFFL SIR NOPM 2 20190224T040436 20190224T040730 C001 CS OFFL SIR NOPM 2 20190224T040930 20190224T042535 C001 CS_OFFL_SIR_NOPM_2_20190224T042749_20190224T044235_C001 CS_OFFL_SIR_NOPM_2_20190224T044933_20190224T045145_C001 CS OFFL SIR NOPM 2 20190224T045229 20190224T045647 C001 CS_OFFL_SIR_NOPM_2_20190224T045822_20190224T051324_C001 CS OFFL SIR NOPM 2 20190224T051513 20190224T053140 C001 CS_OFFL_SIR_NOPM_2_20190224T055323_20190224T060036_C001 CS_OFFL_SIR_NOPM_2_20190224T060040_20190224T060343_C001 CS OFFL SIR NOPM 2 20190224T060945 20190224T062451 C001 CS_OFFL_SIR_NOPM_2_20190224T062725_20190224T063548_C001 CS_OFFL_SIR_NOPM_2_20190224T063755_20190224T070051_C001 CS OFFL SIR NOPM 2 20190224T073653 20190224T080400 C001 CS_OFFL_SIR_NOPM_2_20190224T080910_20190224T081406_C001 CS_OFFL_SIR_NOPM_2_20190224T081644_20190224T084245_C001 CS OFFL SIR NOPM 2 20190224T091535 20190224T092530 C001 CS_OFFL_SIR_NOPM_2_20190224T093108_20190224T094309_C001 CS OFFL SIR NOPM 2 20190224T094831 20190224T095430 C001 CS OFFL SIR NOPM 2 20190224T095600 20190224T102454 C001 CS OFFL SIR NOPM 2 20190224T104721 20190224T112145 C001 CS_OFFL_SIR_NOPM_2_20190224T112739_20190224T113301_C001 CS_OFFL_SIR_NOPM_2_20190224T113437_20190224T113931_C001 CS_OFFL_SIR_NOPM_2_20190224T113936_20190224T114057_C001 CS OFFL SIR NOPM 2 20190224T121354 20190224T121437 C001 CS_OFFL_SIR_NOPM_2_20190224T122709_20190224T123539_C001 CS_OFFL_SIR_NOPM_2_20190224T123824_20190224T130114_C001 CS OFFL SIR NOPM 2 20190224T130632 20190224T130741 C001 CS_OFFL_SIR_NOPM_2_20190224T130747_20190224T131154_C001 CS_OFFL_SIR_NOPM_2_20190224T131319_20190224T132700_C001 CS OFFL SIR NOPM 2 20190224T132847 20190224T133446 C001 CS_OFFL_SIR_NOPM_2_20190224T140541_20190224T143931_C001 CS OFFL SIR NOPM 2 20190224T144140 20190224T144639 C001 CS OFFL SIR NOPM 2 20190224T144700 20190224T145016 C001 CS_OFFL_SIR_NOPM_2_20190224T145243_20190224T145449_C001 CS_OFFL_SIR_NOPM_2_20190224T145740_20190224T152852_C001 CS OFFL SIR NOPM 2 20190224T154842 20190224T155619 C001 CS_OFFL_SIR_NOPM_2_20190224T160208_20190224T161847_C001 CS_OFFL_SIR_NOPM_2_20190224T162026_20190224T162537_C001 CS_OFFL_SIR_NOPM_2_20190224T162614_20190224T162745_C001 CS_OFFL_SIR_NOPM_2_20190224T163531_20190224T164920_C001 CS OFFL SIR NOPM 2 20190224T165133 20190224T170258 C001 CS_OFFL_SIR_NOPM_2_20190224T173101_20190224T174119_C001 CS_OFFL_SIR_NOPM_2_20190224T174259_20190224T175746_C001 CS OFFL SIR NOPM 2 20190224T175947 20190224T180448 C001 CS_OFFL_SIR_NOPM_2_20190224T180527_20190224T180630_C001

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 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 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 Ice Range Averaging Status Ice Range Averaging Status

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| CS_OFFL_SIR_NOPM_2_20190224T181324_20190224T181500_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
|---|------------------------------|--|
| CS_OFFL_SIR_NOPM_2_20190224T181707_20190224T182730_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T182945_20190224T183511_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T191357_20190224T193715_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T194023_20190224T194404_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T194426_20190224T194726_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T195011_20190224T201906_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T205030_20190224T211628_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T211805_20190224T212318_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T212944_20190224T214122_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T214700_20190224T220345_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T222604_20190224T223843_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T224954_20190224T225621_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T225805_20190224T230352_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T230906_20190224T234249_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T235647_20190224T235733_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190224T194420_20190224T194426_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190224T212653_20190224T212818_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190224T220345_20190224T220744_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190224T062451_20190224T062532_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190224T094309_20190224T094430_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190224T145449_20190224T145552_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190224T230708_20190224T230906_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| | | |

5.7 L2 SWH and Backscatter Measurement Check

CryoSat L2 data includes a SWH Averaging Status flag and an Ocean and Ice Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are three common status flags raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

SWH Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 77

Number of products with errors:

| Product | Test Failed | Description |
|---|---|--|
| CS_OFFL_SIR_NOPM_2_20190224T000003_20190224T002235_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_20190224T002521_20190224T003407_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_20190224T004713_20190224T005015_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_20190224T010633_20190224T012619_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_20190224T013859_20190224T021214_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_20190224T023719_20190224T030104_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_20190224T030419_20190224T030436_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_20190224T031912_20190224T033513_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_20190224T034136_20190224T035004_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_20190224T040436_20190224T040730_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T040930_20190224T042535_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_20190224T042749_20190224T044235_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_20190224T044933_20190224T045145_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T045229_20190224T045647_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T045822_20190224T051324_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_20190224T051513_20190224T053140_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_20190224T055323_20190224T060036_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_20190224T060945_20190224T062451_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_20190224T062725_20190224T063548_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190224T063755_20190224T070051_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_20190224T073653_20190224T080400_C001 CS_OFFL_SIR_NOPM_2_20190224T080625_20190224T080822_C001 CS_OFFL_SIR_NOPM_2_20190224T080910_20190224T081406_C001 CS_OFFL_SIR_NOPM_2_20190224T081644_20190224T084245_C001 CS OFFL SIR NOPM 2 20190224T091535 20190224T092530 C001 CS OFFL SIR NOPM 2 20190224T093108 20190224T094309 C001 CS OFFL SIR NOPM 2 20190224T094831 20190224T095430 C001 CS OFFL SIR NOPM 2 20190224T095600 20190224T102454 C001 CS_OFFL_SIR_NOPM_2_20190224T104721_20190224T112145_C001 CS_OFFL_SIR_NOPM_2_20190224T112739_20190224T113301_C001 CS OFFL SIR NOPM 2 20190224T113437 20190224T113931 C001 CS_OFFL_SIR_NOPM_2_20190224T113936_20190224T114057_C001 CS OFFL SIR NOPM 2 20190224T121057 20190224T121335 C001 CS_OFFL_SIR_NOPM_2_20190224T121354_20190224T121437_C001 CS_OFFL_SIR_NOPM_2_20190224T122709_20190224T123539_C001 CS OFFL SIR NOPM 2 20190224T123824 20190224T130114 C001 CS_OFFL_SIR_NOPM_2_20190224T130632_20190224T130741_C001 CS_OFFL_SIR_NOPM_2_20190224T130747_20190224T131154_C001 CS_OFFL_SIR_NOPM_2_20190224T131319_20190224T132700_C001 CS_OFFL_SIR_NOPM_2_20190224T132847_20190224T133446_C001 CS_OFFL_SIR_NOPM_2_20190224T140541_20190224T143931_C001 CS OFFL SIR NOPM 2 20190224T144140 20190224T144639 C001 CS_OFFL_SIR_NOPM_2_20190224T144700_20190224T145016_C001 CS OFFL SIR NOPM 2 20190224T145243 20190224T145449 C001 CS OFFL SIR NOPM 2 20190224T145740 20190224T152852 C001 CS OFFL SIR NOPM 2 20190224T154842 20190224T155619 C001 CS_OFFL_SIR_NOPM_2_20190224T160208_20190224T161847_C001 CS_OFFL_SIR_NOPM_2_20190224T162026_20190224T162537_C001 CS_OFFL_SIR_NOPM_2_20190224T162614_20190224T162745_C001 CS OFFL SIR NOPM 2 20190224T163531 20190224T164920 C001 CS_OFFL_SIR_NOPM_2_20190224T165133_20190224T170258_C001 CS_OFFL_SIR_NOPM_2_20190224T173101_20190224T174119_C001 CS OFFL SIR NOPM_2_20190224T174259_20190224T175746_C001 CS_OFFL_SIR_NOPM_2_20190224T175947_20190224T180448_C001 CS_OFFL_SIR_NOPM_2_20190224T180527_20190224T180630_C001 CS OFFL SIR NOPM 2 20190224T181324 20190224T181500 C001 CS_OFFL_SIR_NOPM_2_20190224T181707_20190224T182730_C001 CS_OFFL_SIR_NOPM_2_20190224T182945_20190224T183511_C001 CS OFFL SIR NOPM 2 20190224T191357 20190224T193715 C001 CS OFFL SIR NOPM 2 20190224T194023 20190224T194404 C001 CS_OFFL_SIR_NOPM_2_20190224T194426_20190224T194726_C001 CS_OFFL_SIR_NOPM_2_20190224T195011_20190224T201906_C001 CS_OFFL_SIR_NOPM_2_20190224T205030_20190224T211628_C001 CS OFFL SIR NOPM 2 20190224T211805 20190224T212318 C001 CS_OFFL_SIR_NOPM_2_20190224T212944_20190224T214122_C001 CS_OFFL_SIR_NOPM_2_20190224T214700_20190224T220345_C001 CS OFFL SIR NOPM 2 20190224T222604 20190224T223843 C001 CS_OFFL_SIR_NOPM_2_20190224T224954_20190224T225621_C001 CS_OFFL_SIR_NOPM_2_20190224T225805_20190224T230352_C001 CS OFFL SIR NOPM 2 20190224T230906 20190224T234249 C001 CS OFFL SIR NOPN 2 20190224T194420 20190224T194426 C001

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

Ice Backscatter Averaging Status

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

| CS_OFFL_SIR_NOPN_2_20190224T212653_20190224T212818_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_20190224T220345_20190224T220744_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_20190224T062451_20190224T062532_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_20190224T094309_20190224T094430_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_20190224T145449_20190224T145552_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_20190224T230708_20190224T230906_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.

57

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: