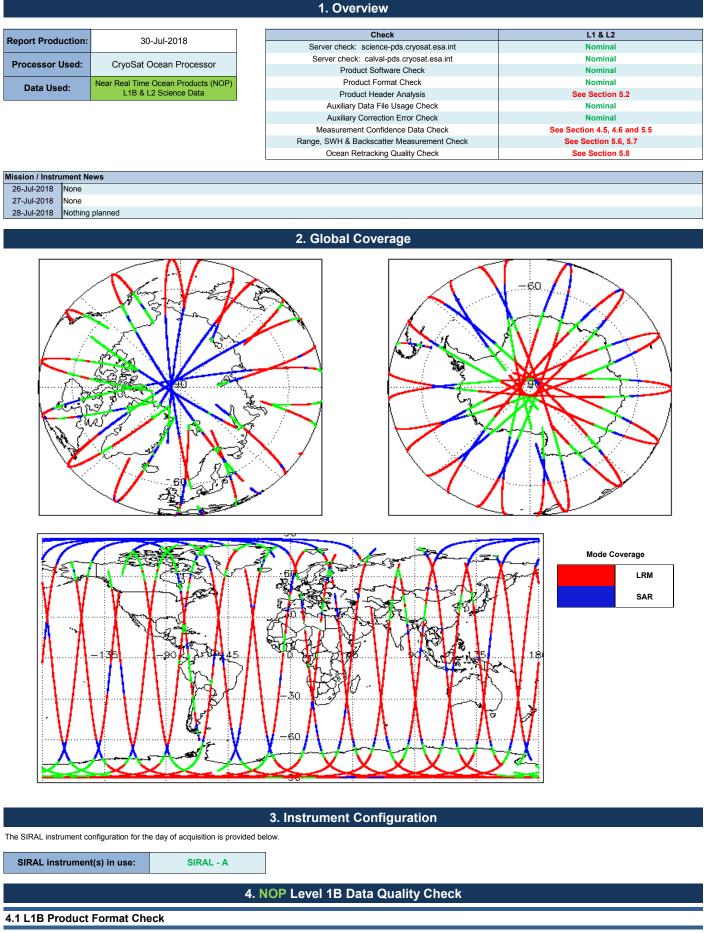


IDEAS+ Daily Report for NOP data:

27/07/2018





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

| Each product is checked for missing Data Set Descriptors with respect to a pr | e-determined baseline and also to che | ck the validity of Auxiliary Data Files is correct |
|--|---|---|
| Number of products with errors: 0 | | on the validity of Administry Data Files to control. |
| | | |
| 4.4 L1B Auxiliary Correction Error Check | | |
| CryoSat L1B data includes a correction error flag for each measurement reco | d. The bit value of this flag indicates a | ny 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 measure | nent record. The bit value of this flag ir | ndicates any problems when set. |
| Attitude Correction Missing: This flag is currently set in error for NOPR proc | lucts due to a configuration issue. This | s is being investigated and will be updated in the next SW update. |
| Number of products with errors: 1 | | |
| Product | Test Failed | Description |
| CS_OFFL_SIR_NOPM1B_20180727T062111_20180727T063213_C001 | Power scaling error | There is an error in the scaling of the L1B waveform for one or more records |
| I.6 L1B Waveform Group Data Check | | |
| CryoSat L1B data includes a waveform data flag for each measurement recor | d. The bit value of this flag indicates ar | ny problems when set. |
| .oss of Echo Flag: This flag is currently set for products over land, but this is | - | |
| lumber of products with errors: 8 | | |
| | Test Failed | Description |
| roduct S_OFFL_SIR_NOPM1B_20180727T033802_20180727T034829_C001 | Loss of Echo | Description The tracking echo is missing for one or more records |
| S OFFL SIR NOPM1B 20180727110503 201807271100554 C001 | Loss of Echo | The tracking echo is missing for one or more records |
| S_OFFL_SIR_NOPN1B_20180727T031944_20180727T032059_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20180727T080939_20180727T081313_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20180727T153914_20180727T154452_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20180727T181727_20180727T181814_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPR1B_20180727T160856_20180727T161036_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| | | |
| 5. N | OP Level 2 Data Qualit | ty Check |
| | | |
| 5.1.1.2 Product Format 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 head | der file (.HDR) and a binary product file (.DBL). |
| | ensure it consists of both an XML head | der file (.HDR) and a binary product file (.DBL). |
| Each product, retrieved and unpacked from the science server, is checked to | ensure it consists of both an XML head | der file (.HDR) and a binary product file (.DBL). |
| Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0 5.2 L2 Product Header Analysis | | |
| Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0 5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an | | |
| Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0 5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors: 0 | | |
| Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0 5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors: 0 | | |
| Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0 5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an | d SPH in order to identify any inconsis | tencies and/or errors raised by the ground-segment processing chain. |
| Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0 5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pr | d SPH in order to identify any inconsis | tencies and/or errors raised by the ground-segment processing chain. |
| Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0 5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pr Number of products with errors: 0 | d SPH in order to identify any inconsis | tencies and/or errors raised by the ground-segment processing chain. |
| Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0 5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pr Number of products with errors: 0 5.4 L2 Auxiliary Correction Error Check | d SPH in order to identify any inconsis e-determined baseline and also to che | tencies and/or errors raised by the ground-segment processing chain. ck the validity of Auxiliary Data Files is correct. |
| Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0 5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pr Number of products with errors: 0 5.4 L2 Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are check | d SPH in order to identify any inconsis e-determined baseline and also to che | tencies and/or errors raised by the ground-segment processing chain. ck the validity of Auxiliary Data Files is correct. |
| Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0 5.2 L2 Product Header Analysis 0 For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check 0 Each product is checked for missing Data Set Descriptors with respect to a product of products with errors: 0 5.4 L2 Auxiliary Correction Error Check 0 For all products, the auxiliary corrections within the Geophysical Group are checked for missing and the formation of products with errors: 0 | d SPH in order to identify any inconsis e-determined baseline and also to che | tencies and/or errors raised by the ground-segment processing chain. ck the validity of Auxiliary Data Files is correct. |
| Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0 5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pr Number of products with errors: 0 5.4 L2 Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are checked for missing Check and the Set Descriptors of the Auxiliary Corrections within the Geophysical Group are checked for all products with errors: 0 5.4 L2 Auxiliary Corrections within the Geophysical Group are checked for all products with errors: 0 5.5 L2 Correction Error Check For all products with errors: 0 | d SPH in order to identify any inconsis e-determined baseline and also to che | tencies and/or errors raised by the ground-segment processing chain. ck the validity of Auxiliary Data Files is correct. |
| Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0 5.2 L2 Product Header Analysis 0 For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check 0 Each product is checked for missing Data Set Descriptors with respect to a product of products with errors: 0 5.4 L2 Auxiliary Correction Error Check 0 For all products, the auxiliary corrections within the Geophysical Group are check 0 5.5 L2 Measurement Confidence Data Check 0 | d SPH in order to identify any inconsist e-determined baseline and also to che ecked for the default error value (3276 | tencies and/or errors raised by the ground-segment processing chain. ck the validity of Auxiliary Data Files is correct. i7). |
| Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0 5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pr Number of products with errors: 0 5.4 L2 Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are checked. | d SPH in order to identify any inconsist e-determined baseline and also to che ecked for the default error value (3276 | tencies and/or errors raised by the ground-segment processing chain. ck the validity of Auxiliary Data Files is correct. i7). |
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| iach product, retrieved and unpacked from the science server, is checked to lumber of products with errors: 0 5.2 L2 Product Header Analysis 0 ior all products, a series of pre-defined checks are performed on the MPH an lumber of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check 0 5.4 L2 Auxiliary Data File Usage Check 0 5.4 L2 Auxiliary Correction Error Check 0 5.4 L2 Auxiliary Corrections within the Geophysical Group are chellumber of products with errors: 0 5.4 L2 Auxiliary Corrections within the Geophysical Group are chellumber of products with errors: 0 5.5 L2 Measurement Confidence Data Check 0 6.5 L2 Measurement Confidence flag for each 20-Hz measurement confidence flag for each 20-Hz measurement of products with errors: 1 Product 1 CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement of products with errors: 1 Product 1 CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for ecurently, there are two common status flags raised in the Level 2 products also highlighting any additional issues which may arise from this test. Opcean Range Averaging Status Flag: This flag is currently set for products or creations for products or creating for this test. | d SPH in order to identify any inconsist e-determined baseline and also to cher ecked for the default error value (3276 surement record. The bit value of this Test Failed Power scaling error each measurement record. The bit valu cts which are expected due to surfa | tencies and/or errors raised by the ground-segment processing chain. ck the validity of Auxiliary Data Files is correct. i7). flag indicates any problems when set. Description There is an error in the scaling of the L2 waveform for one or more rec ue of this flag indicates any problems when set. ace type. All common flags are summarised in the list below, followed by a |
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| Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0 5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a prevent of products with errors: 0 5.4 L2 Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are checked for products with errors: 0 5.5 L2 Measurement Confidence Data Check CryoSat L2 data includes a measurement confidence flag for each 20-Hz meas Number of products with errors: 1 Forduct CS_OFFL_SIR_NOPM_2_20180727T062111_20180727T063213_C001 5.6 L2 Range Measurement Check CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for eccurrently, there are two common status flags raised in the Level 2 product able highlighting any additional issues which may arise from this test. Cocean Range Averaging Status Flag: This flag is currently set for products over Number of products with errors: 91 Forduct Ford | d SPH in order to identify any inconsist e-determined baseline and also to check ecked for the default error value (3276 surement record. The bit value of this Test Failed Power scaling error each measurement record. The bit valu cts which are expected due to surfate over land and sea ice, but this is to be reland, but this is to be expected. | tencies and/or errors raised by the ground-segment processing chain. ck the validity of Auxiliary Data Files is correct. 77). flag indicates any problems when set. Description There is an error in the scaling of the L2 waveform for one or more rec use of this flag indicates any problems when set. ace type. All common flags are summarised in the list below, followed by a expected. Description The Orean Paper Averaging Status Files has been set for one or more |
| Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0 5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pr Number of products with errors: 0 5.4 L2 Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are ch Number of products with errors: 0 5.5 L2 Measurement Confidence Data Check CryoSat L2 data includes a measurement confidence flag for each 20-Hz meas Number of products with errors: 1 Product CS_OFFL_SIR_NOPM_2_20180727T062111_20180727T063213_C001 5.6 L2 Range Measurement Check CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for each 20-Hz meas CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for each 20-Hz meas Currently, there are two common status flags raised in the Level 2 product Currently, there are two common status flags raised in the Level 2 product Cale Range Averaging Status Flag: This flag is currently set for products or each and lee Range Averaging Status flag for products or each and lee Ra | d SPH in order to identify any inconsist e-determined baseline and also to cher ecked for the default error value (3276 surement record. The bit value of this Test Failed Power scaling error each measurement record. The bit valu cts which are expected due to surfate over land and sea ice, but this is to be land, but this is to be expected. | tencies and/or errors raised by the ground-segment processing chain. ck the validity of Auxiliary Data Files is correct. 77). flag indicates any problems when set. Description There is an error in the scaling of the L2 waveform for one or more reco ue of this flag indicates any problems when set. ace type. All common flags are summarised in the list below, followed by a expected. Description The Ocean Range Averaging Status Flag has been set for one or more The L2 waveform for one or more The Ice Range Averaging Status Flag has been set for one or more The L2 waveform for one or more The L2 waveform for one or more The Ocean Range Averaging Status Flag has been set for one or more |
| Each product, retrieved and unpacked from the science server, is checked to Aumber of products with errors: 0 5.2 L2 Product Header Analysis 0 For all products, a series of pre-defined checks are performed on the MPH an Aumber of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check 0 5.4 L2 Auxiliary Data File Usage Check 0 5.4 L2 Auxiliary Correction Error Check 0 5.4 L2 Auxiliary Correction Error Check 0 5.4 L2 Auxiliary Corrections within the Geophysical Group are checked for missing Data Set Descriptors with respect to a products, the auxiliary corrections within the Geophysical Group are checked for of products with errors: 6.5 L2 Measurement Confidence Data Check 0 5.5 L2 Measurement Confidence Data Check 0 CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement of products with errors: 1 Product 1 Cs_OFFL_SIR_NOPM_2_20180727T062111_20180727T063213_C001 0 5.6 L2 Range Measurement Check 0 CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for a Courrently, there are two common status flags raised in the Level 2 product able highlighting any additional issues which may arise from this test. Ocean Range Averaging Status Flag: This flag is currently set for products oversumer of products with errors: 91 | d SPH in order to identify any inconsist e-determined baseline and also to cher ecked for the default error value (3276 surement record. The bit value of this Test Failed Power scaling error each measurement record. The bit valu cts which are expected due to surfa over land and sea ice, but this is to be land, but this is to be expected. Test Failed Ocean Range Averaging Status | tencies and/or errors raised by the ground-segment processing chain. ck the validity of Auxiliary Data Files is correct. 77). flag indicates any problems when set. Description There is an error in the scaling of the L2 waveform for one or more rec ue of this flag indicates any problems when set. tec type. All common flags are summarised in the list below, followed by a expected. Description The Ocean Range Averaging Status Flag has been set for one or more records. |

CS_OFFL_SIR_NOPM_2_20180727T010255_20180727T012908_C001 CS_OFFL_SIR_NOPM_2_20180727T012925_20180727T013639_C001 CS_OFFL_SIR_NOPM_2_20180727T014853_20180727T020328_C001 CS_OFFL_SIR_NOPM_2_20180727T020809_20180727T020933_C001 CS OFFL SIR NOPM 2 20180727T020937 20180727T022512 C001 CS OFFL SIR NOPM 2 20180727T022733 20180727T023251 C001 CS OFFL SIR NOPM 2 20180727T024336 20180727T025629 C001 CS OFFL SIR NOPM 2 20180727T025843 20180727T031541 C001 CS_OFFL_SIR_NOPM_2_20180727T033802_20180727T034829_C001 CS OFFL SIR NOPM 2 20180727T035008 20180727T040402 C001 CS OFFL SIR NOPM 2 20180727T040658 20180727T041202 C001 CS_OFFL_SIR_NOPM_2_20180727T041226_20180727T041341_C001 CS OFFL SIR NOPM 2 20180727T042045 20180727T042132 C001 CS_OFFL_SIR_NOPM_2_20180727T042932_20180727T043225_C001 CS_OFFL_SIR_NOPM_2_20180727T044010_20180727T044220_C001 CS OFFL SIR NOPM 2 20180727T044343 20180727T045024 C001 CS OFFL SIR NOPM 2 20180727T052101 20180727T052441 C001 CS_OFFL_SIR_NOPM_2_20180727T052608_20180727T054249_C001 CS_OFFL_SIR_NOPM_2_20180727T054707_20180727T055118_C001 CS_OFFL_SIR_NOPM_2_20180727T055140_20180727T055327_C001 CS_OFFL_SIR_NOPM_2_20180727T055835_20180727T062108_C001 CS OFFL SIR NOPM 2 20180727T065806 20180727T072202 C001 CS_OFFL_SIR_NOPM_2_20180727T072507_20180727T073032_C001 CS OFFL SIR NOPM 2 20180727T073039 20180727T073404 C001 CS OFFL SIR NOPM 2 20180727T073747 20180727T074833 C001 CS OFFL SIR NOPM 2 20180727T075410 20180727T080939 C001 CS_OFFL_SIR_NOPM_2_20180727T082540_20180727T083213_C001 CS_OFFL_SIR_NOPM_2_20180727T083302_20180727T085520_C001 CS_OFFL_SIR_NOPM_2_20180727T085652_20180727T090137_C001 CS_OFFL_SIR_NOPM_2_20180727T090503_20180727T091311 C001 CS_OFFL_SIR_NOPM_2_20180727T091802_20180727T095034_C001 CS_OFFL_SIR_NOPM_2_20180727T102359_20180727T103319_C001 CS OFFL SIR NOPM 2 20180727T103358 20180727T103951 C001 CS_OFFL_SIR_NOPM_2_20180727T105659_20180727T111810_C001 CS_OFFL_SIR_NOPM_2_20180727T112055_20180727T113235_C001 CS OFFL SIR NOPM 2 20180727T114147 20180727T114628 C001 CS_OFFL_SIR_NOPM_2_20180727T120218_20180727T120701_C001 CS_OFFL_SIR_NOPM_2_20180727T120849_20180727T121909_C001 CS OFFL SIR NOPM 2 20180727T122558 20180727T122858 C001 CS OFFL SIR NOPM 2 20180727T123615 20180727T131235 C001 CS_OFFL_SIR_NOPM_2_20180727T132515_20180727T133209_C001 CS_OFFL_SIR_NOPM_2_20180727T133223_20180727T135635_C001 CS_OFFL_SIR_NOPM_2_20180727T140611_20180727T140805_C001 CS OFFL SIR NOPM 2 20180727T141534 20180727T143228 C001 CS_OFFL_SIR_NOPM_2_20180727T143239_20180727T144352_C001 CS_OFFL_SIR_NOPM_2_20180727T150003_20180727T150408_C001 CS OFFL SIR NOPM 2 20180727T150526 20180727T152108 C001 CS_OFFL_SIR_NOPM_2_20180727T152728_20180727T153810_C001 CS_OFFL_SIR_NOPM_2_20180727T154453_20180727T154720_C001 CS OFFL SIR NOPM 2 20180727T154748 20180727T155212 C001 CS_OFFL_SIR_NOPM_2_20180727T155500_20180727T160856_C001 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 Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status 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 Ice Range Averaging Status Ocean Range Averaging Status

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

| CS_OFFL_SIR_NOPM_2_20180727T161036_20180727T161723_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
|---|------------------------------|--|
| CS_OFFL_SIR_NOPM_2_20180727T165557_20180727T170140_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T170227_20180727T171856_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T172236_20180727T173125_C001 | Ice Range Averaging Status | The loc Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T173437_20180727T175556_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T183244_20180727T185815_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T190201_20180727T190344_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T190449_20180727T190916_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T191409_20180727T193751_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T200630_20180727T202103_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T202639_20180727T203630_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T204404_20180727T204954_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T205243_20180727T210838_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T211119_20180727T211752_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T212859_20180727T213025_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T214225_20180727T221553_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T222310_20180727T222825_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T223218_20180727T223308_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T223508_20180727T223819_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T223935_20180727T224517_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T230543_20180727T230949_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T231859_20180727T233112_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T233358_20180727T235509_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20180727T031944_20180727T032059_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20180727T132324_20180727T132330_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20180727T132430_20180727T132515_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20180727T141250_20180727T141430_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20180727T145842_20180727T150002_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20180727T190344_20180727T190449_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20180727T190916_20180727T191141_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20180727T204011_20180727T204404_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20180727T105305_20180727T105659_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20180727T123237_20180727T123615_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20180727T165030_20180727T165046_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20180727T195113_20180727T195211_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20180727T223308_20180727T223508_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. 91

Number of products with errors:

| Product | Test Failed | Description |
|---|---|--|
| CS_OFFL_SIR_NOPM_2_20180727T001023_20180727T004543_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_20180727T005014_20180727T005353_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T005359_20180727T005407_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T005410_20180727T005808_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20180727T010255_20180727T012908_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_20180727T012925_20180727T013639_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_20180727T014853_20180727T020328_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_20180727T020809_20180727T020933_C001 CS OFFL SIR NOPM 2 20180727T020937 20180727T022512 C001 CS_OFFL_SIR_NOPM_2_20180727T022733_20180727T023251_C001 CS_OFFL_SIR_NOPM_2_20180727T024336_20180727T025629_C001 CS OFFL SIR NOPM 2 20180727T025843 20180727T031541 C001 CS_OFFL_SIR_NOPM_2_20180727T033802_20180727T034829_C001 CS OFFL SIR NOPM 2 20180727T035008 20180727T040402 C001 CS OFFL SIR NOPM 2 20180727T040658 20180727T041202 C001 CS_OFFL_SIR_NOPM_2_20180727T041226_20180727T041341_C001 CS_OFFL_SIR_NOPM_2_20180727T042045_20180727T042132_C001 CS OFFL SIR NOPM 2 20180727T042932 20180727T043225 C001 CS_OFFL_SIR_NOPM_2_20180727T044010_20180727T044220_C001 CS OFFL SIR NOPM 2 20180727T044343 20180727T045024 C001 CS_OFFL_SIR_NOPM_2_20180727T052101_20180727T052441_C001 CS_OFFL_SIR_NOPM_2_20180727T052608_20180727T054249_C001 CS OFFL SIR NOPM 2 20180727T054707 20180727T055118 C001 CS_OFFL_SIR_NOPM_2_20180727T055140_20180727T055327_C001 CS_OFFL_SIR_NOPM_2_20180727T055835_20180727T062108_C001 CS_OFFL_SIR_NOPM_2_20180727T065806_20180727T072202_C001 CS_OFFL_SIR_NOPM_2_20180727T072507_20180727T073032_C001 CS_OFFL_SIR_NOPM_2_20180727T073039_20180727T073404_C001 CS OFFL SIR NOPM 2 20180727T073747 20180727T074833 C001 CS_OFFL_SIR_NOPM_2_20180727T075410_20180727T080939_C001 CS OFFL SIR NOPM 2 20180727T082540 20180727T083213 C001 CS OFFL SIR NOPM 2 20180727T083302 20180727T085520 C001 CS_OFFL_SIR_NOPM_2_20180727T085652_20180727T090137_C001 CS_OFFL_SIR_NOPM_2_20180727T090503_20180727T091311_C001 CS_OFFL_SIR_NOPM_2_20180727T091802_20180727T095034_C001 CS_OFFL_SIR_NOPM_2_20180727T102359_20180727T103319_C001 CS OFFL SIR NOPM 2 20180727T103358 20180727T103951 C001 CS_OFFL_SIR_NOPM_2_20180727T105659_20180727T111810_C001 CS_OFFL_SIR_NOPM_2_20180727T112055_20180727T113235_C001 CS OFFL SIR NOPM 2 20180727T114147 20180727T114628 C001 CS_OFFL_SIR_NOPM_2_20180727T120218_20180727T120701_C001 CS_OFFL_SIR_NOPM_2_20180727T120849_20180727T121909_C001 CS OFFL SIR NOPM 2 20180727T122558 20180727T122858 C001 CS_OFFL_SIR_NOPM_2_20180727T123615_20180727T131235_C001 CS_OFFL_SIR_NOPM_2_20180727T132515_20180727T133209_C001 CS OFFL SIR NOPM 2 20180727T133223 20180727T135635 C001 CS_OFFL_SIR_NOPM_2_20180727T140611_20180727T140805_C001 CS_OFFL_SIR_NOPM_2_20180727T141037_20180727T141250_C001 CS OFFL SIR NOPM 2 20180727T141534 20180727T143228 C001 CS_OFFL_SIR_NOPM_2_20180727T143239_20180727T144352_C001 CS_OFFL_SIR_NOPM_2_20180727T150003_20180727T150408_C001 CS_OFFL_SIR_NOPM_2_20180727T150526_20180727T152108_C001 CS_OFFL_SIR_NOPM_2_20180727T152728_20180727T153810_C001 CS OFFL SIR NOPM 2 20180727T154453 20180727T154720 C001 CS_OFFL_SIR_NOPM_2_20180727T154748_20180727T155212_C001 CS_OFFL_SIR_NOPM_2_20180727T155500_20180727T160856_C001 CS OFFL SIR NOPM 2 20180727T161036 20180727T161723 C001 CS_OFFL_SIR_NOPM_2_20180727T165046_20180727T165434_C001 SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

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

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

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

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| CS_OFFL_SIR_NOPM_2_20180727T165557_20180727T170140_C001 |
|---|
| CS_OFFL_SIR_NOPM_2_20180727T170227_20180727T171856_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T172236_20180727T173125_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T173437_20180727T175556_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T183244_20180727T185815_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T190449_20180727T190916_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T191409_20180727T193751_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T200630_20180727T202103_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T202639_20180727T203630_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T204404_20180727T204954_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T205243_20180727T210838_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T211119_20180727T211752_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T212859_20180727T213025_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T214225_20180727T221553_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T222310_20180727T222825_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T223218_20180727T223308_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T223508_20180727T223819_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T223935_20180727T224517_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T230543_20180727T230949_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T231859_20180727T233112_C001 |
| CS_OFFL_SIR_NOPM_2_20180727T233358_20180727T235509_C001 |
| CS_OFFL_SIR_NOPN_2_20180727T031944_20180727T032059_C001 |
| CS_OFFL_SIR_NOPN_2_20180727T132324_20180727T132330_C001 |
| CS_OFFL_SIR_NOPN_2_20180727T132430_20180727T132515_C001 |
| CS_OFFL_SIR_NOPN_2_20180727T141250_20180727T141430_C001 |
| CS_OFFL_SIR_NOPN_2_20180727T145842_20180727T150002_C001 |
| CS_OFFL_SIR_NOPN_2_20180727T190916_20180727T191141_C001 |
| CS_OFFL_SIR_NOPN_2_20180727T204011_20180727T204404_C001 |
| CS_OFFL_SIR_NOPR_2_20180727T105305_20180727T105659_C001 |
| CS_OFFL_SIR_NOPR_2_20180727T123237_20180727T123615_C001 |
| CS_OFFL_SIR_NOPR_2_20180727T165030_20180727T165046_C001 |
| CS_OFFL_SIR_NOPR_2_20180727T195113_20180727T195211_C001 |
| CS_OFFL_SIR_NOPR_2_20180727T223308_20180727T223508_C001 |

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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 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 ecords The SWH and Ocean Averaging Status Flags have been set for one or more records The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records The SWH and Ocean Averaging Status Flags have been set for one or more records. The Ice Backscatter Averaging Status Flag has been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records The SWH and Ocean Averaging Status Flags have been set for one or more records The SWH and Ocean Averaging Status Flags have been set for one or more records The SWH and Ocean Averaging Status Flags have been set for one or more records The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or more records The 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. 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 nore 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

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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. 52

Number of products with errors: