

QA4EO Daily Report for NOP data:

23/03/2020

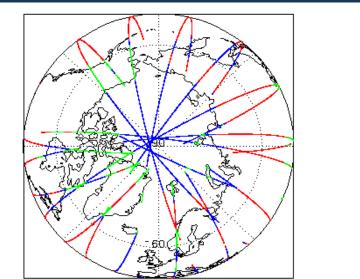
| Demant Draduation. | 24-Mar-2020 | Check | L1 & L2 |
|--------------------|-------------------------------------|---|------------------------------|
| Report Production: | 24-Mar-2020 | Server check: science-pds.cryosat.esa.int | Nominal |
| Processor Used: | Crucest Occar Brasson | Server check: calval-pds.cryosat.esa.int | Nominal |
| Processor useu. | CryoSat Ocean Processor | Product Software Check | Nominal |
| Data Used: | Near Real Time Ocean Products (NOP) | Product Format Check | Nominal |
| Data Useu. | L1B & L2 Science Data | Product Header Analysis | Nominal |
| | | Auxiliary Data File Usage Check | Nominal |
| | | Auxiliary Correction Error Check | See Section 5.4 |
| | | Measurement Confidence Data Check | See Section 4.5, 4.6 and 5.5 |
| | | Measurement Quality Flag Check | See Section 5.6 |
| | | Ocean Retracking Quality Check | See Section 5.7 |

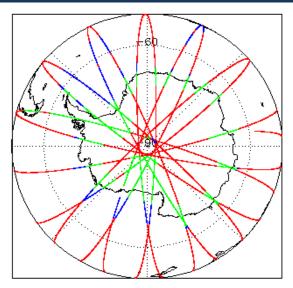
1. Overview

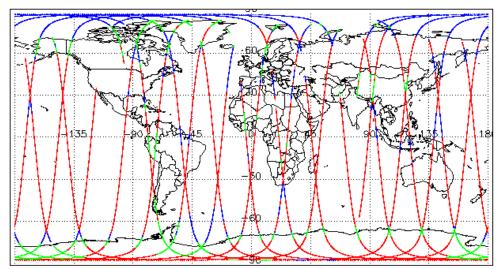
Mission / Instrument News 22-Mar-2020 None 23-Mar-2020 None

24-Mar-2020 Nothing planned

2. Global Coverage







| Mode | Coverage |
|------|----------|
| | |

| LRM |
|-------|
| SAR |
| SARIn |

3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

| SIRAL instrument(s) in use: | SIRAL - A |
|-----------------------------|----------------|
| Star Tracker(s) in use: | Star Tracker 1 |

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: 0

| 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. | | | | |
| L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1 OSARIn chains. A modification is required in the next release. | B IOPR and IOPN products because | e the I1b_processing_quality_hr field is not correctly configured in the OSAR and | | |
| 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 pr | e-determined baseline and also to ch | neck 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: 0 | | | | |
| 4.4 L1B Auxiliary Correction Error Check | | | | |
| CryoSat L1B data includes a correction error flag for each measurement reco | rd. 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 measure | - | | | |
| > Attitude Correction Missing: This flag is currently set in error for NOPR pr | roducts due to a configuration issue. | This is being investigated and will be updated in the next SW update. | | |
| Number of products with errors: 1 | | | | |
| Dura dura é | Test Failed | Description | | |
| Product | | • | | |
| CS_OFFL_SIR_NOPM1B_20200323T142048_20200323T144908_C001 4.6 L1B Waveform Group Data Check | Power scaling error | There is an error in the scaling of the L1B waveform for one or more records | | |
| Product CS_OFFL_SIR_NOPM1B_20200323T142048_20200323T144908_C001 4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag for each measurement recor > Loss of Echo Flag: This flag is currently set for products over land, but this Number of products with errors: 15 | Power scaling error | There is an error in the scaling of the L1B waveform for one or more records | | |
| CS_OFFL_SIR_NOPM1B_20200323T142048_20200323T144908_C001 4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag for each measurement recorn > Loss of Echo Flag: This flag is currently set for products over land, but this | Power scaling error | There is an error in the scaling of the L1B waveform for one or more records | | |
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| CS_OFFL_SIR_NOPM1B_20200323T142048_20200323T144908_C001 4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag for each measurement recor > Loss of Echo Flag: This flag is currently set for products over land, but this Number of products with errors: 15 Product CS_OFFL_SIR_NOPM1B_20200323T020557_20200323T023227_C001 CS_OFFL_SIR_NOPM1B_20200323T060326_20200323T063718_C001 | Power scaling error d. The bit value of this flag indicates is to be expected. Test Failed Loss of Echo Loss of Echo | There is an error in the scaling of the L1B waveform for one or more records any problems when set. Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records | | |
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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: 0

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: 0

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).

Currently, there are some common auxiliary correction errors 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.

> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update.

> Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.

> Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.

> Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

45

| Product Test Failed Description C6: OFFL_SIR, NOPM 2: 202003231116138_202003231116138_C001 Meen Dynamo Topography (1) There is an error with the Mean Dynamo Topography (application of the Mean Dynamo Topography (application (application (approximate)) (approximate) (app | |
|--|--------|
| Cell CFL_SR_NOPM 2_202003231143162_0000231103120_0001 Mean Dynamic Topography (1) There is an error with the Mass Target (adultan 1) the Mean Dynamic Topography (1) There is an error with the Mass Target (adultan 1) and the Masn Dynamic Topography (1) There is an error with the Mass Target (adultan 1) and the Masn Dynamic Topography (1) There is an error with the Mass Target (adultan 1) and the Masn Dynamic Topography (1) There is an error with the Mass Target (adultan 1) and the Masn Dynamic Topography (1) There is an error with the Mass Target (adultan 1) and the Masn Dynamic Topography (1) There is an error with the Mass Target (adultan 1) and the Masn Dynamic Topography (1) There is an error with the Mass Target (adultan 1) and the Masn Dynamic Topography (1) There is an error with the Mass Target (adultan 1) and the Masn Dynamic Topography (1) There is an error with the Mass Target (adultan 1) and the Masn Dynamic Topography (1) There is an error with the Mass Target (adultan 1) and the Masn Dynamic Topography (1) There is an error with the Mass Target (adultan 1) and the Masn Dynamic Topography (1) There is an error with the Mass Target (adultan 1) and the Masn Dynamic Topography (1) There is an error with the Mass Target (adultan 1) and the Masn Dynamic Topography (1) There is an error with the Mass Target (adultan 1) and the Masn Dynamic Target (1) There is an error with the Mass Target (adultan 1) and the Masn Dynamic Target (1) There is an error with the Mass Target (adultan 1) and the Masn Dynamic Target (1) There is an error with the Mass Target (1) There is an error with the Mass Target (1) There is an error with the Mass Target (1) There is an error with the Mass Target (1) There is an error with the Mass Target (1) There is an error with the Mass Target (1) There is an error with the Mass Target (1) There is an error with the Mass Target (1) There is an error with the Mass Target (1) There is an error with the Mass Target (1) There is an error with the Mass Target (1) There is an error with the M | e or |
| CS. OFFL_SIR_NOPM 2_20200323712445_02003237101345_0001 Topography (1) Topography (1) There is a more with the MSS height (adulton 1) the Meen Dynamic Topography (1) CS_OFFL_SIR_NOPM 2_20200323710432_0200323710434_0001 Meas Sea Surface (1), Mean Dynamic Topography (1) There is a more with the MSS height (adulton 1) and the Maan Dynamic Topography (1) CS_OFFL_SIR_NOPM 2_20200323710437205312_02003237106331_0001 Meas Sea Surface (1), Mean Dynamic Topography (1) There is a more with the MSS height (adulton 1) and the Maan Dynamic Topography (1) CS_OFFL_SIR_NOPM 2_202003237076531_2000032706531_0001 Meas Sea Surface (1), Mean Dynamic Topography (1) There is a more with the MSS height (adulton 1) and the Maan Dynamic Topography (1) CS_OFFL_SIR_NOPM 2_20200323707344_2000323707344_0001 Meas Sea Surface (1), Mean Dynamic Topography (1) There is a more with the MSS height (adulton 1) and the Maan Dynamic Topography (1) CS_OFFL_SIR_NOPM 2_202003237073742_0200323707434_0001 Meas Sea Surface (1), Mean Dynamic Topography (1) There is a more with the MSS height (adulton 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPM 2_20200323707432_0001 Meas Sea Surface (1), Mean Dynamic Topography (1) There is a more with the MSS height (adulton 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPM 2_202003237001237_02003237002135_020001 Meas Sea Surface (1), Mean Dynamic Topography height for on more records CS_OFFL_SIR_NOPM 2_202003237110232_02003371002137_020032371002137_020032371002137_020032371 | |
| CB_UFT_SIR_NOPN_2_20200233704126_202003231041346_0001 Topography (1) Topography (1) Topography (1) CB_OFFL_SIR_NOPN_2_20200233706313_20200323706311_02001 Mean Dynamic Topography (1) There is an error with the MoS height (colution 1) and the Mean Dynamic Topography (1) CB_OFFL_SIR_NOPN_2_20200233706313_20200323706312_0001 Mean Sea Surface (1) Mean Dynamic Topography (1) There is an error with the MSS height (colution 1) and the Mean Dynamic Topography (1) CB_OFFL_SIR_NOPN_2_20200233706312_02002337063246_20001 Topography (1) There is an error with the MSS height (colution 1) and the Mean Dynamic Topography (1) CB_OFFL_SIR_NOPN_2_202002337082805_202002337082025_C001 Mean Sea Surface (1) Mean Dynamic Topography height (colution 1) and the Mean Dynamic Topography (1) CB_OFFL_SIR_NOPN_2_20200233708203_201082005_202003237082025_C001 Mean Sea Surface (1) Mean Dynamic Topography height (colution 1) and the Mean Dynamic Topography (1) CB_OFFL_SIR_NOPN_2_20200323708203_2010923108203_C001 Mean Sea Surface (1) Mean Dynamic Topography height (colution 1) and the Mean Dynamic Topography (1) CB_OFFL_SIR_NOPN_2_202003237103203_20203237103203_20001 Mean Sea Surface (1) Mean Dynamic Topography height (colution 1) and the Mean Dynamic Topography (1) CB_OFFL_SIR_NOPN_2_202003237114302_0001 Mean Sea Surface (1) Mean Dynamic Topography (1) <td></td> | |
| CS_OFFL_SIR_NOPN_2_020032110120 Maan Dynamic 1090gapy (1) more records CS_OFFL_SIR_NOPN_2_02003231056157_20200323105511_C001 Maan Ses Surface (1), Maan Dynamic Toeography (3) CS_OFFL_SIR_NOPN_2_02003231056157_20200323105511_C001 Maan Ses Surface (1), Maan Dynamic There is an error with the MSS height (solution 1) and the Maan Dynamic CS_OFFL_SIR_NOPN_2_00003231073246_0000231073244_C001 Maan Ses Surface (1), Maan Dynamic There is an error with the MSS height (solution 1) and the Maan Dynamic CS_OFFL_SIR_NOPN_2_0000323107311_20200323107344_C001 Maan Ses Surface (1), Maan Dynamic There is an error with the MSS height (solution 1) and the Maan Dynamic CS_OFFL_SIR_NOPN_2_0000323107311_20200323107344_C001 Maan Ses Surface (1), Maan Dynamic There is an error with the MSS height (solution 1) and the Maan Dynamic CS_OFFL_SIR_NOPN_2_0000323107311_20200323107434_C001 Mean Ses Surface (1), Maan Dynamic There is an error with the MSS height (solution 1) and the Maan Dynamic CS_OFFL_SIR_NOPN_2_0000323107213_000323107230_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Maan Dynamic CS_OFFL_SIR_NOPN_2_0000323110521_00032100232_C0003231105213_0001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Maan Dynamic CS_OFFL_SIR_NOPN_2_00003231105213_00001 Mean Dynamic Topography (1) <td< td=""><td></td></td<> | |
| Cal-UPFL_SIR_NOPN_2_2020032105315_20200321060132_C001 Topography (1) Topography (2) CS_OFFL_SIR_NOPN_2_2020032107324_2020032107324_C001 Mean Ses Surface (1). Mean Dynamic Topography (1) Tore is an error with the MSS height (colution 1) for one or more records CS_OFFL_SIR_NOPN_2_2020032107324_20200321073524_C001 Mean Ses Surface (1). Mean Dynamic Tore is an error with the MSS height (colution 1) and the Mean Dynamic CS_OFFL_SIR_NOPN_2_202003231082925_C001 Mean Ses Surface (1). Mean Dynamic Topography height (colution 1) and the Mean Dynamic CS_OFFL_SIR_NOPN_2_202003231082925_C001 Mean Ses Surface (1). Mean Dynamic Topography height (colution 1) in ore or more records CS_OFFL_SIR_NOPN_2_202003231082925_C001 Mean Ses Surface (1). Mean Dynamic Topography height (colution 1) in ore or more records CS_OFFL_SIR_NOPN_2_20200323106219_20200323106292_C001 Mean Ses Surface (1). Mean Dynamic Topography height (colution 1) in ore or more records CS_OFFL_SIR_NOPN_2_202003231106217_202003231106212_C001 Mean Ses Surface (1). Mean Dynamic Topography height (colution 1) or or or more records CS_OFFL_SIR_NOPN_2_202003231106212_C001 Mean Ses Surface (1). Mean Dynamic Topography height (colution 1) or or or more records CS_OFFL_SIR_NOPN_2_202003231105206_C001 Mean Ses Surface (1). Mean Dynamic Topography height (colution 1) or or or more rec | e or |
| CS_OFFL_SIR_NOPN_2_20203237105613_20200323710532_C001 Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1) on oer more records CS_OFFL_SIR_NOPN_2_20203237073246_202003237073524_C001 Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1) on oer more records CS_OFFL_SIR_NOPN_2_20200323707371_202003237074344_C001 Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1) on oer more records CS_OFFL_SIR_NOPN_2_202003237082095_202003237082095_C001 Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1) for oer or more records CS_OFFL_SIR_NOPN_2_20200323709109_020200323709149_C001 Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1) for oer or more records CS_OFFL_SIR_NOPN_2_20200323709129_02020032709149_C001 Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1) for oer or more records CS_OFFL_SIR_NOPN_2_202003237100719_0202003237100824_C001 Mean Dynamic Topography Height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_2020032371100719_0202003237106213_C001 Mean Dynamic Topography (1) There is a nerror with the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_202003237110072_02003237110220_C001 Mean Dynamic Topography (1) There is a nerror with the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_202003237114315_C001 Mean Dynamic Topography (1) There is a nerror with the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_202003237114315_C001 M | namic |
| CS_OFFL_SIR_NOPN_2_20200323T073244_20200323T073524_C001 Maan Sas Surface (1), Maan Dynamic Topography height (solution 1) or one more records CS_OFFL_SIR_NOPN_2_20200323T073717_20200323T074344_C001 Maan Sas Surface (1), Mean Dynamic Topography height (solution 1) or one more records CS_OFFL_SIR_NOPN_2_20200323T082805_20200323T082825_C001 Maan Sas Surface (1), Mean Dynamic Topography height (solution 1) or one more records CS_OFFL_SIR_NOPN_2_20200323T09129_20200323T082805_C001 Maan Sas Surface (1), Mean Dynamic Topography height (solution 1) or one more records CS_OFFL_SIR_NOPN_2_20200323T09219_20200323T092305_C001 Mean Sas Surface (1), Mean Dynamic Topography height (solution 1) or one more records CS_OFFL_SIR_NOPN_2_20200323T09219_20200323T092305_C001 Mean Sas Surface (1), Mean Dynamic Topography height (solution 1) or one more records CS_OFFL_SIR_NOPN_2_20200323T100219_20200323T105213_C001 Mean Sas Surface (1), Mean Dynamic Topography height (solution 1) or one more records CS_OFFL_SIR_NOPN_2_20200323T11032_20200323T110220_C001 Mean Sas Surface (1), Mean Dynamic Topography height (solution 1) or one more records CS_OFFL_SIR_NOPN_2_20200323T112260_20200323T112318_C001 Mean Dynamic Topography (1) There is a nerv with the Mas Dynamic Topography height (solution 1) or one more records CS_OFFL_SIR_NOPN_2_20200323T112260_20200323T115252_3_C001 Mean Dynamic Topography height (solution 1) or one more records CS_OFFL_SIR_NOPN_2_20200323T1164700_20200323T155223_C001 Mean Sas Sur | namic |
| CS_OFFL_SIR_NOPN_2_20200323T07317_20200323T074344_C001 Mean Sea Surface (1). Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1). Total Geocentric Ocean Topography height (solution 1) and the Total Geocentric Ocean Topography height (solution 1) and the Mean Dynamic Topography (1). Total Geocentric Ocean Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) topography height (solution 1) and the Mean Dynamic Topography height (solution 1) topography height (solution 1) and the Mean Dynamic Topography height (solution 1) topography height (solution 1) and the Mean Dynamic Topography height (solution 1) topography (1). Total Geocentric Ocean Topography (1). Total Geocentric Ocean Topography height (solution 1) and the Total Geocentric Coent Topography (1). Total Geocentric Ocean Topography (solution 1) and the Mean Dynamic Topography (1). Total Ge | namic |
| CS_OFFL_SIR_NOPN_2_20200323T08285_0200323T08285_0200 Topography (1) There is an error with the Mean Dynamic Topography height for one more records CS_OFFL_SIR_NOPN_2_20200323T1005017_00200323T1005213_0001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (1) | namic |
| CS_OFFL_SIR_NOPN_2_20200323109213_20200323109214_202003231092306_2001 Mean Dynamic Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_202003231100719_202003231100719_202003231100719_202003231100719_202003231100214_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one more records CS_OFFL_SIR_NOPN_2_202003231100312_20200323110202_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_202003231110232_202003231110220_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_202003231122950_202003231123108_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200323114116_202003231141315_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (| |
| CS_OFFL_SIR_NOPN_2_20200323T100719_20200323T1005236_C001 Mean Dynamic Topography (1) more records CS_OFFL_SIR_NOPN_2_20200323T100719_20200323T1005213_C001 Mean Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200323T110032_20200323T1105213_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T114632_20200323T115138_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) in the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200323T122950_20200323T123108_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide (solution 1) and the Total Geocentric Ocean Tide (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200323T154900_20200323T155223_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the Mean | namic |
| CS_OFFL_SIR_NOPN_2_20200323T100115_02000323T10524_C001 mean Eas Surface (1), Mean Dynamic more records Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height for one more records CS_OFFL_SIR_NOPN_2_20200323T110322_0200323T115138_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), and the Mean Dynamic Topography height for one more records CS_OFFL_SIR_NOPN_2_20200323T112350_20200323T115138_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography height for one more records CS_OFFL_SIR_NOPN_2_20200323T122550_20200323T14315_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), and the Total Geocentric Ocean Tide (solution 1) and the Total Geocentric Ocean Tide (solution 1) and the Total Geocentric Ocean Tide (solution 1), and the total corectons for one or more records CS_OFFL_SIR_NOPN_2_20200323T155748_20200323T15523_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height | e or |
| CS_OFFL_SIR_NOPN_2_20200323T105017_20200323T105213_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200323T110032_0200323T110220_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (for one more records CS_OFFL_SIR_NOPN_2_20200323T112306_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200323T123108_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (SOT) height (solution 1) and the Mean Dyn Topography h | e or |
| CS_OFFL_SIR_NOPN_2_20200323T110032_20200323T110220_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one more records CS_OFFL_SIR_NOPN_2_20200323T1122950_20200323T1123108_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1), the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) CS_OFFL_SIR_NOPN_2_20200323T154900_20200323T155223_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (CS), Non-Equilibrium Long Period Ocean Tide There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (CS_OFFL_SIR_NOPN_2_20200323T155748_20200323T155906_C001 CS_OFFL_SIR_NOPN_2_20200323T165748_20200323T165114_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide CS_OFFL_SIR_NOPN_2_20200323T165748_20200323T165114_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (CS), Non-Equilibrium Long Period Ocean Tide (CS), N | namic |
| CS_OFFL_SIR_NOPN_2_20200323T114632_20200323T115138_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1), the Mean Dynamic Topography (1), Total Geoentric Ocean Tide (Solution 1: SOT) for one or more records CS_OFFL_SIR_NOPN_2_20200323T141116_20200323T141315_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1), Total Geoentric Ocean Tide (Solution 1: SOT) for one or more records CS_OFFL_SIR_NOPN_2_20200323T154900_20200323T155223_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Tide (FES), Non-Tide (FES), Non-Tide (FES), Non-Capatibrium Long Period Ocean Tide (FES), Non-Capatibrium Long Period Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide (solution 1: GES) or one or more records CS_OFFL_SIR_NOPN_2_20200323T165748_20200323T165114_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (solution 1: FES) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200323T165714_20200323T165114_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (solution 1: ES) and the Non-Equilibrium Long Period Ocean Tide (solution 1: ES) and the Non-Equilibrium Long Period Ocean Tide (solution 1: ES) and the Non-Equilibrium Long Period Ocean Tide (solution 1: ES) and the Non-Equilibrium Long Period Ocean Tide (solution 1: ES) and the Non-Equilibrium Long Period Ocean Tide (solution 1: ES) and the Non-Equilibrium Long Period Ocean Tide (solution 1: ES) and the Non-Equilibrium Long Period | e or |
| CS_OFFL_SIR_NOPN_2_20200323T122950_20200323T123108_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) There is an error with the MSS height (solution 1), the Mean Dynamic (solution 1: GOT) for one or more records CS_OFFL_SIR_NOPN_2_20200323T141116_20200323T141315_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one more records CS_OFFL_SIR_NOPN_2_20200323T154900_20200323T155223_C001 Mean Sea Surface (1), Mean Dynamic Tide (GOT), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200323T155748_20200323T155906_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200323T165748_20200323T165114_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide (SOLUTION 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), the Mean Dynamic Togography (1) CS_OFFL_SIR_NOPN_2_20200323T172759_20200323T173119_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T195816_20200323T191642_C001 Mean Sea Surface (1), Mean Dynamic Topogr | e or |
| CS_OFFL_SIR_NOPN_2_20200323T141116_20200323T141116_20200323T141116_20200323T141116_20200323T155223_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) more records CS_OFFL_SIR_NOPN_2_20200323T154900_20200323T155223_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200323T165748_20200323T165114_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200323T165714_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (solution 1), the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200323T172759_20200323T173119_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T195816_20200323T195919_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T195816_20200323T195919_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T195816_20200323T195919_C001 Mean Sea | |
| CS_OFFL_SIR_NOPN_2_20200323T154900_20200323T155223_C001 Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200323T155748_20200323T155906_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide (Solution 1) and the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide (Solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide (Solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide (Solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T172759_20200323T173119_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (Solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200323T172759_20200323T173119_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T195816_20200323T195919_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T195816_20200323T195919_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T195816_20200323T195919_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323 | e or |
| CS_OFFL_SIR_NOPN_2_20200323T155748_20200323T155906_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T164750_20200323T165114_C001 Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide (I), Mean Dynamic Topography height (solution 2): FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records CS_OFFL_SIR_NOPN_2_20200323T172759_20200323T173119_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200323T191513_20200323T191642_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200323T195816_20200323T195919_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200323T195816_20200323T205436_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T205436_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T205436_C001 M | |
| CS_OFFL_SIR_NOPN_2_20200323T164750_20200323T165114_C001 Geocentric Ocean Tide (FÉS), Non-Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide CS_OFFL_SIR_NOPN_2_20200323T172759_20200323T173119_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T191513_20200323T191642_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T195816_20200323T195919_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T205232_20200323T205436_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T205436_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T205436_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T205436_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T213617_2020323T213827_C001 Mean Sea Surface (1), Mean Dynamic Topography height | namic |
| CS_OFFL_SIR_NOPN_2_20200323T191513_20200323T191642_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T191513_20200323T191642_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T195816_20200323T195919_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T205232_20200323T205436_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T205232_20200323T205436_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T205436_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T205436_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T205436_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records | |
| CS_OFFL_SIR_NOPN_2_20200323T19513_20200323T19513_20200323T19542_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T195816_20200323T195919_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T205232_20200323T205436_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T205436_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T205436_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records | namic |
| CS_OFFL_SIR_NOPN_2_20200323T195816_20200323T195919_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T205232_20200323T205436_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T205232_20200323T205436_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200323T205232_20200323T205436_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records | namic |
| CS_OFFL_SIR_NOPN_2_202003231205232_202003231205436_C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic | namic |
| | namic |
| CS_OFFL_SIR_NOPN_2_20200323T213617_20200323T213827_C001 Topography (1) Topography (1) Topography (2) | namic |
| CS_OFFL_SIR_NOPN_2_20200323T213828_20200323T213833_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records | namic |
| CS_OFFL_SIR_NOPN_2_20200323T223114_20200323T223532_C001 Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records | namic |
| CS_OFFL_SIR_NOPN_2_20200323T223930_20200323T224245_C001 Tide (GOT) Topography (1), Total Geocentric Ocean Tide (GOT) Topography height (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records | |
| CS_OFFL_SIR_NOPR_2_20200323T000731_20200323T001237_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records | namic |
| CS_OFFL_SIR_NOPR_2_20200323T034030_20200323T034216_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one more records | e or |
| CS_OFFL_SIR_NOPR_2_20200323T090935_20200323T091028_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) for one or more re- | ecords |
| CS_OFFL_SIR_NOPR_2_20200323T093845_20200323T094045_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one more records | e or |
| CS_OFFL_SIR_NOPR_2_20200323T100052_20200323T100143_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one more records | e or |
| CS_OFFL_SIR_NOPR_2_20200323T100146_20200323T100227_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one more records | e or |
| CS_OFFL_SIR_NOPR_2_20200323T100249_20200323T100403_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one more records | e or |
| CS_OFFL_SIR_NOPR_2_20200323T101626_20200323T101719_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one more records | e or |
| CS_OFFL_SIR_NOPR_2_20200323T132146_20200323T132651_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Topography height (solution 1) for one or more records | namic |
| CS_OFFL_SIR_NOPR_2_20200323T144951_20200323T145035_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one more records | e or |
| CS_OFFL_SIR_NOPR_2_20200323T145538_20200323T145717_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one more records | e or |
| CS_OFFL_SIR_NOPR_2_20200323T145906_20200323T150852_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records | namic |
| CS_OFFL_SIR_NOPR_2_20200323T163923_20200323T164750_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records | namic |

| CS_OFFL_SIR_NOPR_2_20200323T182018_20200323T182801_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
|---|--|--|
| CS_OFFL_SIR_NOPR_2_20200323T195919_20200323T200633_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPR_2_20200323T213833_20200323T214515_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPR_2_20200323T231704_20200323T232224_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| | | |

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: 1

| Product Tes | est Failed | Description |
|---|--------------------|---|
| CS_OFFL_SIR_NOPM_2_20200323T142048_20200323T144908_C001 Pov | ower scaling error | There is an error in the scaling of the L2 waveform for one or more records |

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

CryoSat L2 data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurement record. The bit value of this flag indicates any problems when set.

Currently, there are several common flags raised in the Level 2 products, which are summarised below. The table provides the full list of products flagged.

> Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags: These flags are currently set for some records over ocean.

> OCOG Altimeter Range and Backscatter Quality Flags: These flags are currently set for some records over continental ice.

90

Number of products with errors:

| CS_OFFL_SIR_NOPM_2_20200322T235557_20200323T00124_C001OCOG Altimeter Range Quality, OCOG Backscatter QualityThe OCOG Altimeter Range and Backscatter Quality Flags have to for one or more records.CS_OFFL_SIR_NOPM_2_20200323T020557_20200323T023227_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality, OCOGThe OCOG Altimeter Range and Backscatter Quality Flags have to and the OCOG Altimeter Range and Backscatter QualityCS_OFFL_SIR_NOPM_2_20200323T02352_20200323T023845_C001OCOG Altimeter Range Quality, OCOG Backscatter QualityThe OCOG Altimeter Range and Backscatter QualityCS_OFFL_SIR_NOPM_2_20200323T024529_20200323T032026_C001Ocean Altimeter Range, SSHA, SWH and Backscatter QualityThe OCean Altimeter Range, SSHA, SWH and Backscatter QualityCS_OFFL_SIR_NOPM_2_20200323T03329_20200323T033445_C001Ocean Altimeter Range, SSHA, SWH and Backscatter QualityThe Ocean Altimeter Range, SSHA, SWH and Backscatter QualityCS_OFFL_SIR_NOPM_2_20200323T03329_20200323T033445_C001Ocean Altimeter Range, SSHA, SWH and Backscatter QualityThe Ocean Altimeter Range, SSHA, SWH and Backscatter QualityCS_OFFL_SIR_NOPM_2_20200323T040536_20200323T040658_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter QualityThe Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter QualityCS_OFFL_SIR_NOPM_2_20200323T040536_20200323T040658_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter QualityThe Ocean Altimeter Range, SSHA, SWH and Backscatter QualityCS_OFFL_SIR_NOPM_2_2020032 |
|---|
| CS_OFFL_SIR_NOPM_2_20200323T020557_20200323T023227_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records. CS_OFFL_SIR_NOPM_2_20200323T023352_20200323T023845_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have to for one or more records. CS_OFFL_SIR_NOPM_2_20200323T02352_20200323T023845_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The OCOG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPM_2_20200323T024529_20200323T032026_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have set for one or more records. CS_OFFL_SIR_NOPM_2_20200323T03329_20200323T033445_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records. CS_OFFL_SIR_NOPM_2_20200323T040536_20200323T040658_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have and backscatter Quality, OCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T023352_20200323T023645_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_20200323T024529_20200323T032026_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality set for one or more records. CS_OFFL_SIR_NOPM_2_20200323T03329_20200323T03329_20200323T033445_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags ha Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags ha Altimeter Range and Backscatter Quality, OCOG CS_OFFL_SIR_NOPM_2_20200323T03329_20200323T033445_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags ha Altimeter Range and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags ha Altimeter Range and Backscatter Quality, OCOG CS_OFFL_SIR_NOPM_2_20200323T040536_20200323T040658_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags ha Altimeter Range, SSHA, SWH |
| CS_OFFL_SIR_NOPM_2_20200323T024529_20200323T032026_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20200323T033329_20200323T033445_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPM_2_20200323T033329_20200323T033445_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags ha set for one or more records. CS_OFFL_SIR_NOPM_2_20200323T040536_20200323T040658_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and Backscatter Quality, OCOG |
| CS_OFFL_SIR_NOPM_2_20200323T033329_20200323T033445_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags ha Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags ha CS_OFFL_SIR_NOPM_2_20200323T040536_20200323T040658_C001 and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags ha |
| CS_OFFL_SIR_NOPM_2_20200323T040536_20200323T040658_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been been been been been been been be |
| |
| CS_OFFL_SIR_NOPM_2_20200323T040858_20200323T041206_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags ha Altimeter Range and Backscatter Quality |
| CS_OFFL_SIR_NOPM_2_20200323T041349_20200323T041915_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have to for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T042419_20200323T044806_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Stimeter Range and Backscatter Quality Flags ha Altimeter Range and Backscatter Quality |
| CS_OFFL_SIR_NOPM_2_20200323T045006_20200323T045846_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Stimeter Range and Backscatter Quality Flags ha Altimeter Range and Backscatter Quality Set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T051205_20200323T051435_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Stimeter Range and Backscatter Quality Flags ha Altimeter Range and Backscatter Quality |
| CS_OFFL_SIR_NOPM_2_20200323T053120_20200323T055104_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags ha Altimeter Range and Backscatter Quality |
| CS_OFFL_SIR_NOPM_2_20200323T055311_20200323T055813_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have to for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T060326_20200323T063718_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags ha Altimeter Range and Backscatter Quality |
| CS_OFFL_SIR_NOPM_2_20200323T064005_20200323T064029_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have be for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T070256_20200323T072549_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags ha Altimeter Range and Backscatter Quality |
| CS_OFFL_SIR_NOPM_2_20200323T073524_20200323T073717_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have to for one or more records. |

| CS_OFFL_SIR_NOPM_2_20200323T074358_20200323T075615_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
|---|--|--|
| CS_OFFL_SIR_NOPM_2_20200323T075618_20200323T075942_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T080001_20200323T080140_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T080622_20200323T081435_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T082925_20200323T083209_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T083411_20200323T085022_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T085235_20200323T090709_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T091420_20200323T091628_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T091718_20200323T092131_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T092306_20200323T093543_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T093611_20200323T093844_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T094045_20200323T094102_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T094105_20200323T095007_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T100824_20200323T100908_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T101824_20200323T102756_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T103446_20200323T104950_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T105214_20200323T110032_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T110229_20200323T111930_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T112203_20200323T112414_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T120131_20200323T122840_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T123108_20200323T123309_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T123352_20200323T123857_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T124138_20200323T130714_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T133913_20200323T140725_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T141315_20200323T141917_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T142048_20200323T144908_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |

| CS_OFFL_SIR_NOPM_2_20200323T145717_20200323T145906_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
|---|--|--|
| CS_OFFL_SIR_NOPM_2_20200323T151219_20200323T154659_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T155223_20200323T155748_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T155916_20200323T160542_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T163602_20200323T163922_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T165159_20200323T170026_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T170311_20200323T172617_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T173120_20200323T173226_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T173231_20200323T173639_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T173816_20200323T175233_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T175333_20200323T175816_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T180142_20200323T180610_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T183046_20200323T190413_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T190630_20200323T191124_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T191145_20200323T191513_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T191735_20200323T191938_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T192225_20200323T195346_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T201350_20200323T202105_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T202644_20200323T204331_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T204509_20200323T205022_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T205029_20200323T205035_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T205058_20200323T205232_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T210027_20200323T211405_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T211731_20200323T212755_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T215546_20200323T220605_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T220745_20200323T222238_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |

| CS_OFFL_SIR_NOPM_2_20200323T222432_20200323T222933_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
|---|--|--|
| CS_OFFL_SIR_NOPM_2_20200323T222957_20200323T223007_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T224245_20200323T225119_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T225509_20200323T225957_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T233707_20200323T233738_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20200323T233844_20200324T000149_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T091629_20200323T091717_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T095007_20200323T095151_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T113144_20200323T113232_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T130715_20200323T130813_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T164750_20200323T165114_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T173640_20200323T173803_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T222245_20200323T222432_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T230828_20200323T230928_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T072930_20200323T073247_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T101752_20200323T101824_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T131724_20200323T131941_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T140725_20200323T140912_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T145906_20200323T150852_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T172617_20200323T172759_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T200908_20200323T201349_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| 12 Quality Flore (20Hz BI BM) | | |

L2 Quality Flags (20Hz PLRM)

Currently, there are several common flags raised in the Level 2 products, which are summarised below. The table provides the full list of products flagged.

> Ocean Altimeter Range, SSHA, SWH and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over sea ice.

> OCOG Altimeter Range and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over continental ice.

80

Number of products with errors:

| Product | Test Failed | Description |
|---------|--|--|
| | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| | | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |

| CS_OFFL_SIR_NOPN_2_20200323T002223_20200323T002359_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
|---|---|--|
| CS_OFFL_SIR_NOPN_2_20200323T002458_20200323T002716_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T023227_20200323T023351_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T024222_20200323T024403_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T035437_20200323T035518_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T041226_20200323T041348_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T041916_20200323T042136_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T051435_20200323T051638_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T051946_20200323T052043_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T073248_20200323T073524_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T073717_20200323T074344_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T082805_20200323T082925_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T091029_20200323T091419_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T095007_20200323T095151_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T100719_20200323T100824_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T100908_20200323T100958_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T101147_20200323T101353_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T102935_20200323T103446_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T105017_20200323T105213_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T114632_20200323T115138_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T123309_20200323T123351_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T123857_20200323T124138_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T131941_20200323T132013_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T140912_20200323T141032_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T150852_20200323T151219_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T154900_20200323T155223_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |

| CS_OFFL_SIR_NOPN_2_20200323T161202_20200323T161324_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
|---|---|--|
| CS_OFFL_SIR_NOPN_2_20200323T161812_20200323T161829_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T164750_20200323T165114_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T175816_20200323T180141_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T181735_20200323T181819_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T190427_20200323T190630_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T205232_20200323T205436_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T213304_20200323T213414_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T213617_20200323T213827_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T223008_20200323T223011_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T223114_20200323T223532_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T223535_20200323T223808_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T223930_20200323T224245_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T225119_20200323T225508_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T225957_20200323T230120_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T231242_20200323T231327_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20200323T233307_20200323T233707_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T001316_20200323T001511_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T015328_20200323T015601_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T024404_20200323T024529_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T033123_20200323T033329_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T033446_20200323T033651_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T051639_20200323T051827_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T063718_20200323T063957_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T083323_20200323T083410_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T090935_20200323T091028_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |

| CS_OFFL_SIR_NOPR_2_20200323T093845_20200323T094045_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
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| CS_OFFL_SIR_NOPR_2_20200323T100249_20200323T100403_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T100959_20200323T101147_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T101752_20200323T101824_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T112415_20200323T112626_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T115146_20200323T115434_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T131724_20200323T131941_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T132146_20200323T132651_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T140725_20200323T140912_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T145538_20200323T145717_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T145906_20200323T150852_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T154659_20200323T154900_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T170027_20200323T170311_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T172617_20200323T172759_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T180611_20200323T180719_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T182018_20200323T182801_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T182938_20200323T183046_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T195919_20200323T200633_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T200908_20200323T201349_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T211405_20200323T211731_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T213415_20200323T213617_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T213833_20200323T214515_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T230120_20200323T230240_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T230928_20200323T231204_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T231237_20200323T231241_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20200323T231704_20200323T232224_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |

| L2 Quality Flags (1 Hz & 1Hz PLRM) | | | | |
|---|------|--|--|--|
| Currently, there are several common flags raised in the Level 2 products, which are summarised below. | | | | |
| > 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected. | | | | |
| Number of products with errors: | 172 | | | |
| 5.7 L2 Ocean Retracking Quality C | heck | | | |
| L2 Retracking Flags (20Hz) | | | | |
| 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 falling at ocean/ land boundaries, but this is expected. | | | | |
| Number of products with errors: | 55 | | | |
| L2 Retracking Flags (20Hz, PLRM) | | | | |
| CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz PLRM measurement record. The bit value of this flag indicates any problems when set. | | | | |
| Ocean Retracking Quality Flag (PLRM): This flag is currently set for products NOPR and NOPN products over sea ice, but this is to be expected. | | | | |
| Number of products with errors: | 129 | | | |