

QA4EO Daily Report for NOP data:

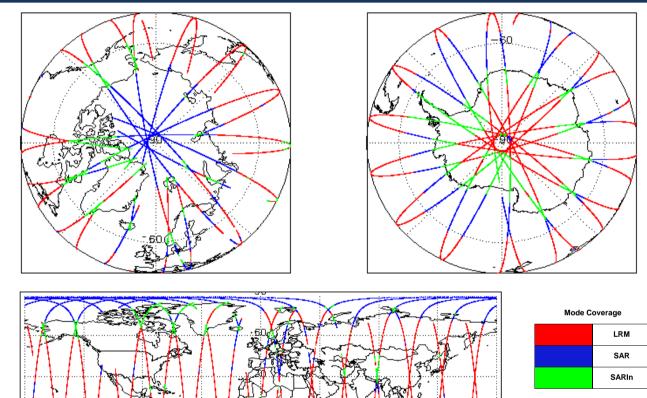
01/11/2021

| onert Breduction | 02-Nov-2021 | Check | L1 & L2 |
|--------------------|-------------------------------------|---|------------------------------|
| Report Production: | U2-NOV-2021 | Server check: science-pds.cryosat.esa.int | Nominal |
| Processor Used: | CryoSat Ocean Processor | Server check: calval-pds.cryosat.esa.int | Nominal |
| Processor Used: | CryoSal Ocean Processor | Product Software Check | Nominal |
| Data Used: | Near Real Time Ocean Products (NOP) | Product Format Check | Nominal |
| | 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 |
| | | QCC Error/ Warning Check | See Section 7.2 |

1. Overview

| Mission / Instrument News | | |
|---------------------------|-----------------|--|
| 31-Oct-2021 | | |
| 01-Nov-2021 | None | |
| 02-Nov-2021 | Nothing planned | |





3. Instrument Configuration

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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). 0

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| 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 inconsis | tencies and/or errors raised by the ground-segment processing chain. |
| L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B chains. A modification is required in the next release. | IOPR and IOPN products because t | he I1b_processing_quality_hr field is not correctly configured in the OSAR and OSAR |
| Number of products with errors: 0 | | |
| 4.3 L1B Auxilary Data File Usage Check | | |
| Each product is checked for missing Data Set Descriptors with respect to a pre- | -determined baseline and also to che | ck the validity of Auxiliary Data Files is correct. |
| Dynamic Atmospheric Correction: The DAC is missing in all products because | se the auxiliary files required are not a | 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 record | d. The bit value of this flag indicates a | iny 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 measurem | ent record. The bit value of this flag i | ndicates any problems when set. |
| Attitude Correction Missing: This flag is currently set in error for NOPR produced and the set of the set o | ducts due to a configuration issue. Th | his is being investigated and will be updated in the next SW update. |
| Number of products with errors: 1 | Ŭ | |
| Product | Test Failed | Description |
| CS_OFFL_SIR_NOPM1B_20211101T160424_20211101T161423_C001 | Power scaling error | There is an error in the scaling of the L1B waveform for one or more records |
| 4.6 L1B Waveform Group Data Check | | |
| CryoSat L1B data includes a waveform data flag for each measurement record | . The bit value of this flag indicates a | ny problems when set. |
| > Loss of Echo Flag: This flag is currently set for products over land, but this is | s to be expected. | |
| Number of products with errors: 13 | | |
| Product | Test Failed | Description |
| CS_OFFL_SIR_NOPM1B_20211031T235419_20211101T000552_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPM1B_20211101T082410_20211101T082501_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPM1B_20211101T151258_20211101T154707_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| | | The tracking echo is missing for one of more records |
| CS_OFFL_SIR_NOPM1B_20211101T162042_20211101T163628_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| | Loss of Echo Loss of Echo | |
| CS_OFFL_SIR_NOPN1B_20211101T033215_20211101T033336_C001 | | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPM1B_20211101T162042_20211101T163628_C001 CS_OFFL_SIR_NOPN1B_20211101T033215_20211101T033336_C001 CS_OFFL_SIR_NOPN1B_20211101T065052_20211101T065543_C001 CS_OFFL_SIR_NOPN1B_20211101T164038_20211101T164253_C001 | Loss of Echo | The tracking echo is missing for one or more records The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20211101T033215_20211101T033336_C001 CS_OFFL_SIR_NOPN1B_20211101T065052_20211101T065543_C001 | Loss of Echo Loss of Echo | The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records |

5. NOP Level 2 Data Quality Check

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

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

Loss of Echo

Loss of Echo

Loss of Echo

Loss of Echo

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.

Wind Model File Usage: This file is currently not included in all L2 products.

CS_OFFL_SIR_NOPR1B_20211101T090939_20211101T091339_C001 CS_OFFL_SIR_NOPR1B_20211101T142048_20211101T142646_C001

CS_OFFL_SIR_NOPR1B_20211101T164253_20211101T164938_C001

CS_OFFL_SIR_NOPR1B_20211101T190403_20211101T190706_C001

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.

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> 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.

| Product | Test Failed | Description |
|---|--|--|
| CS_OFFL_SIR_NOPM_2_20211101T051751_20211101T052808_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Total Geocentric Ocean Tide (GOT), | There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records There is an error with the Total Geocentric Ocean Tide height (solution 1: |
| CS_OFFL_SIR_NOPM_2_20211101T065543_20211101T070324_C001 | Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide | GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records |
| CS_OFFL_SIR_NOPM_2_20211101T100123_20211101T100217_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20211101T001932_20211101T002101_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 Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_NOPN_2_20211101T005620_20211101T005735_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20211101T010227_20211101T010445_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_NOPN_2_20211101T023706_20211101T023941_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_NOPN_2_20211101T033215_20211101T033336_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 Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_NOPN_2_20211101T041229_20211101T041832_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_NOPN_2_20211101T042546_20211101T042723_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20211101T051138_20211101T051352_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_NOPN_2_20211101T055435_20211101T055623_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20211101T060452_20211101T060643_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20211101T065052_20211101T065543_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_NOPN_2_20211101T082300_20211101T082410_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20211101T091339_20211101T091459_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20211101T091520_20211101T091737_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records |
| CS_OFFL_SIR_NOPN_2_20211101T105331_20211101T105645_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_NOPN_2_20211101T110204_20211101T110323_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20211101T115321_20211101T115403_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20211101T123216_20211101T123535_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_NOPN_2_20211101T124101_20211101T124226_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20211101T141940_20211101T142048_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_NOPN_2_20211101T150239_20211101T150337_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_NOPN_2_20211101T154759_20211101T154940_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20211101T155651_20211101T155903_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_NOPN_2_20211101T172712_20211101T172838_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20211101T173542_20211101T174200_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_NOPN_2_20211101T181721_20211101T182117_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20211101T191648_20211101T191845_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20211101T222603_20211101T222722_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| | | |

| CS_OFFL_SIR_NOPN_2_20211101T231252_20211101T231511_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
|---|---|---|
| CS_OFFL_SIR_NOPR_2_20211101T035439_20211101T035653_C001 | Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT) | There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_NOPR_2_20211101T050456_20211101T050638_C001 | Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- | There is an error with the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records |
| CS_OFFL_SIR_NOPR_2_20211101T082603_20211101T083116_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_20211101T095401_20211101T095605_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPR_2_20211101T095931_20211101T100123_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPR_2_20211101T100506_20211101T101307_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_20211101T114343_20211101T115230_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_20211101T132438_20211101T133228_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_20211101T150337_20211101T150920_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_20211101T164253_20211101T164938_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_20211101T182117_20211101T182640_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_20211101T195939_20211101T200948_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_20211101T213702_20211101T214303_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_20211101T214303_20211101T214439_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_20211101T215509_20211101T215601_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |

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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 | Test Failed | Description |
|---|---------------------|---|
| CS_OFFL_SIR_NOPM_2_20211101T160424_20211101T161422_C001 | Power 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.

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| Product | Test Failed | Description |
|---|---|--|
| CS_OFFL_SIR_NOPM_2_20211031T235419_20211101T000552_C001 | | 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_20211101T001537_20211101T001932_C001 | and Backscatter Quality, OCOG Altimeter | 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_20211101T002656_20211101T003219_C001 | and Backscatter Quality, OCOG Altimeter | 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_20211101T003538_20211101T004029_C001 | and Backscatter Quality, OCOG Altimeter | 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_20211101T004217_20211101T005153_C001 | and Backscatter Quality, OCOG Altimeter | 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_20211101T005735_20211101T010227_C001 | | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20211101T010931_20211101T011447_C001 | and Backscatter Quality, OCOG Altimeter | 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_20211101T011456_20211101T014150_C001 | and Backscatter Quality, OCOG Altimeter | 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_20211101T014159_20211101T014216_C001 | | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |

| Description Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<> | | | |
|--|---|---|--|
| CL_PRL_BR_JORN_2_2011011010222_201110110221_C01 Initial Sectors Columns (Sector Sector Sect | CS_OFFL_SIR_NOPM_2_20211101T015621_20211101T015653_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Dit DFL SELNDPAL2 2011101T20005 2011101T20105 C011 av Firkkersom Caluly CCO Streams Page 2014 Control manus and backbard Caluly Page backbard Caluly CCO Streams Page 2014 Control manus and backbard Caluly Page backbard Caluly CCO Streams Page 2014 Control manus and backbard Caluly Page backbard Caluly CCO Streams Page 2014 Control manus and backbard Caluly Page backbard Caluly CCO Streams Page 2014 Control manus and backbard Caluly Page backbard Caluly CCO Streams Page 2014 Control manus and backbard Caluly Page backbard Caluly CCO Streams Page 2014 Control manus and backbard Caluly Page backbard Caluly CCO Streams Page 2014 Control manus and backbard Caluly Page backbard Caluly CCO Streams Page 2014 Control manus and backbard Caluly Page backbard Caluly CCO Streams Page 2014 Control manus and backbard Caluly Page backbard Caluly CCO Streams Page 2014 Control manus and backbard Caluly Page backbard Caluly CCO Streams Page 2014 Control manus Page 2014 Con | CS_OFFL_SIR_NOPM_2_20211101T020225_20211101T020538_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| DL_DPL_SR_UNDPL_3RET101101003_J221110110103_J221110110103_J2211101103015_J221111011030152111011003015_J2211101103015_J2211101103015_J2211101 | CS_OFFL_SIR_NOPM_2_20211101T020709_20211101T023007_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| De USD. Sei NORM 2 20211011000000 (201100100000 (2011) Bedetester Outly Extra en ruem reach. Cl_QFH_DBH_YOFH_2_B22110110000000_ED01 DOD Administ Narge Duty, CCCQ The CCCQ Administ Narge Could prove them set Sei and ruem reach. The CCCQ Administ Narge Could prove them set Sei and ruem reach. The CCCQ Administ Narge Could prove them set Sei and ruem reach. Sei and | CS_OFFL_SIR_NOPM_2_20211101T031035_20211101T031805_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| DC 0410, 081, 0014, 2 4011101103330, 2011101103360, 001 Badazattar Galy for the order near exots. DS 0471, 581, NOPM 2 3011101103460, 0001 Core Alterest Rays, SSM, SVM, and Edwards Caluph Page 1 North Near Caluph | CS_OFFL_SIR_NOPM_2_20211101T031849_20211101T032107_C001 | | |
| 05 DFIL_SR_NOP4_2_32211101T033910_32011101T05490_001 and Bickcenter Casily, CODA Almeder Range, SSH, SWH 05_0FIL_SR_NOP4_2_32211101T05492_32211101T05492_0011 Dears Almeter Range, SSH, SWH and Bickcenter Casily, CODA Almeter Range, SSH, SWH and Bickcenter Casily Fags Interview 05_0FIL_SR_NOP4_2_32211101T05492_321211101T05492_0011 Dears Almeter Range, SSH, SWH and Bickcenter Casily, Fags Interview To Own Almeter Range, SSH, SWH and Bickcenter Casily Fags Interview 05_0FIL_SR_NOP4_2_32211101T05492_0121101T015492_0011 Dears Almeter Range, SSH, SWH and Bickcenter Casily Fags Interview 05_0FIL_SR_NOP4_2_32211101T05492_0121101T015492_0011 Dears Almeter Range, SSH, SWH and Bickcenter Casily Fags Interview 05_0FIL_SR_NOP4_2_32211101T05492_0211101T05492_0011 Dears Almeter Range, SSH, SWH and Bickcenter Casily Fags Interview Exclusion 05_0FFIL_SR_NOP4_2_32211101T05492_02121101T05492_0011 Dears Almeter Range, SSH, SWH and Bickcenter Casily Fags Interview Exclusion 05_0FFIL_SR_NOP4_2_32211101T05493_32211101T05493_3211101T05493_3211101T05493_3211101T05493_3211101T05493_3211101T05493_3211101T05493_3211101T05493_3211101T05493_3211101T05493_3211101T05493_3211101T05493_3211101T05493_3211101T05493_3211101T05493_3211101T05493_3211101T05493_3211101T05493_3211101T05493_32111111015493_3211101T05493_32111111015493_3211101T05493_32111111015493_3211101T05493_321111111015493_3211111111111111111111111111111111111 | CS_OFFL_SIR_NOPM_2_20211101T033336_20211101T033646_C001 | | |
| C5. DFL SR. NOPM 2. 20211101T03422.2021110T03439.2021 mol Backstatter Cably, SVH mol Backstatter Cably, SVH | CS_OFFL_SIR_NOPM_2_20211101T033910_20211101T034549_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| C6:00FL_SR_NOPM_2_20211101T06424_20211101T064256_C001 Proc 0026_Attender Paring and Backszetter Cuality Fags have been afficience in core monotics. C6:00FL_SR_NOPM_2_20211101T064256_C001 0006_Attender Paring and Backszetter Cuality Fags have been afficience in core monotics. C6:00FL_SR_NOPM_2_20211101T064256_C001 0006_Attender Paring and Backszetter Cuality Fags have been afficience in core monotics. C6:00FL_SR_NOPM_2_20211101T064256_C001 0006_Attender Paring and Backszetter Cuality Fags have been afficience in core monotics. C6:00FL_SR_NOPM_2_20211101T064262_0211101T064254_C001 0006_Attender Paring SHA, SWH and Dackszetter Cuality Fags have been afficience in core monotics. C6:00FL_SR_NOPM_2_20211101T064263_0211101T064254_C001 0006_Attender Paring SHA, SWH and Dackszetter Cuality Fags have been afficience in core monotics. C6:00FL_SR_NOPM_2_20211101T064403_0211101T064254_C001 0006_Attender Paring SHA, SWH and Dackszetter Cuality Fags have been afficience in core monotics. C6:00FL_SR_NOPM_2_20211101T064403_0211101T064250_C001 0006_Attender Paring SHA, SWH and Dackszetter Cuality Fags have been afficience in core i | CS_OFFL_SIR_NOPM_2_20211101T034623_20211101T035439_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Count Count Count Extension End one of more records. Disconter Quality For one of more records. The Ocean Attimeter Range and Baskacetter Quality Fags fave bases at for one or none records. | CS_OFFL_SIR_NOPM_2_20211101T035754_20211101T041151_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_20211101T04224_2001 and Backstater Quality, COG Atmener Ange and Backstater Quality Flags have been approximate and approximate approximate approximate and approximate approximate approximate approximate and approximate approxima | CS_OFFL_SIR_NOPM_2_20211101T042126_20211101T042545_C001 | | |
| CS_OFFL_SR_NOPM_2.2021101T054403_2021101T05003_C001 and Backscatter Qualty Coop Allimeter and the one or none records. CS_OFFL_SR_NOPM_2.2021101T051751_20211101T052808_C001 Codes Allimeter Ange, SSM, SSMI and Backscatter Qualty Flags have been Range and Backscatter Qualty Coop Allimeter Ange and Backscatter Qualty Flags have been Range and Backscatter Qualty Flags have been Range and Backscatter Qualty Coop Allimeter Ange and Backscatter Qualty Flags have been Range and Backscatter Qualty Coop Allimeter Ange and Backscatter Qualty Flags have been Range and Backscatter Qualty Flags have been Ran | CS_OFFL_SIR_NOPM_2_20211101T042824_20211101T044224_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_20211101T051751_20211101T052808_C001 and Backscatter Quality_COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T052930_20211101T052907_C001 Corstn Altimeter Range, SSIA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T053816_20211101T055207_C001 Corstn Altimeter Range, SSIA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T055305_207_C001 Corstn Altimeter Range, SSIA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T055305_207_C001 Corstn Altimeter Range, SSIA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T055623_20211101T056452_C001 Occon Altimeter Range, SSIA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T056823_20211101T056452_C001 Occon Altimeter Range, SSIA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T056823_20211101T057348_C001 Occen Altimeter Range, SSIA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T07348_C001 Occen Altimeter Range, SSIA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T07348_C001 Occen Altimeter Range, SSIA, SWH and Backscatter Quality Flags have been set for one or more records. <t< td=""><td>CS_OFFL_SIR_NOPM_2_20211101T044403_20211101T050003_C001</td><td>and Backscatter Quality, OCOG Altimeter</td><td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td></t<> | CS_OFFL_SIR_NOPM_2_20211101T044403_20211101T050003_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SR_NOPM_2_20211101T05283_02211101T05297_C001 and Backscatter Quality, CCOG Alimeter Range and Backscatter Quality Flags have been set set or or or more records. CS_OFFL_SR_NOPM_2_20211101T053816_20211101T05507_C001 Ocean Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for or or more records. CS_OFFL_SR_NOPM_2_20211101T055682_20211101T055623_C001 Ocean Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for or or more records. CS_OFFL_SR_NOPM_2_20211101T05682_20211101T066452_C001 OCCGA Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for or or more records. CS_OFFL_SR_NOPM_2_20211101T060821_20211101T062953_C001 OCCGA Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for or or more records. CS_OFFL_SR_NOPM_2_20211101T070588_20211101T073148_C001 OCCGA Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for or or more records. CS_OFFL_SR_NOPM_2_20211101T07317_20211101T073148_C001 OCCGA Alimeter Range Quality, OCCG The OCCGA Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for or or more records. CS_OFFL_SR_NOPM_2_20211101T07301_20211101T07317_021210_C001 OCCGA Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for or or more records. CS_OFFL_SR_NOPM_2_20211101T075021_20211101T08120_C001 COCGA Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for or or more records. CS_OFFL_SR_NOPM_2_20211101T0762410_20211101T082501_C001 Ocean Alimeter Range, SSHA, SWH and Bac | CS_OFFL_SIR_NOPM_2_20211101T051751_20211101T052808_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_20211101T053816_20211101T055207_C001 and Backscatter Quality and Backscatter Quality read Backscatter Quality CS_OFFL_SIR_NOPM_2_20211101T05623_20211101T060452_C001 DCGA Altimeter Range Quality, OCCG Altimeter Range Quality, OCCG Altimeter Range And Backscatter Quality Flags have been set or one or more records. CS_OFFL_SIR_NOPM_2_20211101T060821_20211101T060952_C001 DCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set or one or more records. CS_OFFL_SIR_NOPM_2_20211101T060821_20211101T062953_C001 DCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T07638_20211101T073148_C001 DCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T07638_20211101T074301_C001 DCOGA Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T075021_20211101T074301_C001 DCOGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T075021_20211101T082501_C001 DCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T082410_20211101T082501_C001 DCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T082410_20211101T082501_C001 DCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. < | CS_OFFL_SIR_NOPM_2_20211101T052930_20211101T053207_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_202111011089632_0001 Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_202111011080821_20211101108293_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, COCOG Altimeter Range, SSHA, SWH and Backscatter Quality, COCOG Altimeter Range, SSHA, SWH and Backscatter Quality, COCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T070538_20211101T073148_0011 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T073817_20211101T074301_0011 OCOCO Altimeter Range, SSHA, SWH and Backscatter Quality, COCOG Backscatter Quality, COCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T075021_20211101T081210_0011 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COCOG Altimeter Range, SSHA, SWH and Backscatter Quality, COCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T082410_20211101T082501_0011 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T082410_20211101T082501_0011 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set f | CS_OFFL_SIR_NOPM_2_20211101T053816_20211101T055207_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_20211101T060821_20211101T062853_C001 and Backscatter Quality Cocan Altimeter Range, SSHA, SWH and Backscatter Quality The OCCG Altimeter Range and Backscatter Quality The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T073817_20211101T074301_C001 OCCG Altimeter Range Quality, OCCG Backscatter Quality The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T07501_20211101T074301_C001 Occan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T07521_20211101T082501_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T082410_20211101T082501_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T084442_20211101T082502_C001 Ocean Altimeter Range Quality, OCCG Altimeter Range ASHA, SWH and Backsc | CS_OFFL_SIR_NOPM_2_20211101T055623_20211101T060452_C001 | | |
| CS_OFFL_SIR_NOPM_2_20211101T07538_20211101T073148_C001 and Backscatter Quality Fige and Backscatter Quality | CS_OFFL_SIR_NOPM_2_20211101T060821_20211101T062953_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_202111011073817_202111011074301_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_20211101T075021_20211101T081210_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality. COCG Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T082410_20211101T082501_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been gange and Backscatter Quality. OCOG Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T082410_20211101T082501_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been gange and Backscatter Quality. OCOG Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T084442_20211101T090339_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T091737_20211101T092332_C001 OCOG Altimeter Range Quality. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T092655_20211101T092400_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T092655_20211101T092400_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T09233_2C011 <t< td=""><td>CS_OFFL_SIR_NOPM_2_20211101T070538_20211101T073148_C001</td><td>and Backscatter Quality, OCOG Altimeter</td><td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td></t<> | CS_OFFL_SIR_NOPM_2_20211101T070538_20211101T073148_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_20211101T075021_20211101T081210_C001 and Backscatter Quality, OCGG Altimeter Range and Backscatter Quality Flags have been Range and Backscatter Quality, OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Range and Backscatter Quality, OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Range and Backscatter Quality, OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Range and Backscatter Quality, OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T082410_20211101T090399_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T091737_20211101T092332_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T091737_20211101T092332_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T092655_20211101T095400_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T100217_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T100217_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T100123_20211101T100217_C001 Ocean Altimeter Range, SSHA | CS_OFFL_SIR_NOPM_2_20211101T073817_20211101T074301_C001 | | |
| CS_OFFL_SIR_NOPM_2_20211101T082410_20211101T082501_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T084442_20211101T090399_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T091737_20211101T092332_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T091737_20211101T092332_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T092655_20211101T095400_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T00213_20211101T00217_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T100213_20211101T100217_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T100123_20211101T100217_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. | CS_OFFL_SIR_NOPM_2_20211101T075021_20211101T081210_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_20211101T084442_20211101T090939_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T091737_20211101T092332_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T091737_20211101T092332_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T092655_20211101T095400_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T092655_20211101T095400_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T100217_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T100123_20211101T100217_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. | CS_OFFL_SIR_NOPM_2_20211101T082410_20211101T082501_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_202111011091737_2021110111092332_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_202111011092655_202111011095400_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_202111011100123_202111011100217_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Range and Backscatter Quality. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_202111011100123_202111011100217_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Range and Backscatter Quality. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality Flags have been Range and Backscatter Quality. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. | CS_OFFL_SIR_NOPM_2_20211101T084442_20211101T090939_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_20211101T092655_20211101T095400_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211101T100123_20211101T100217_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. | CS_OFFL_SIR_NOPM_2_20211101T091737_20211101T092332_C001 | | |
| CS_OFFL_SIR_NOPM_2_20211101T100123_20211101T100217_C001 and Backscatter Quality, OCOG Altimeter and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags | CS_OFFL_SIR_NOPM_2_20211101T092655_20211101T095400_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| | CS_OFFL_SIR_NOPM_2_20211101T100123_20211101T100217_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Range and Backscatter Quality set for one or more records. | CS_OFFL_SIR_NOPM_2_20211101T101615_20211101T104856_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |

| CS_OFFL_SIR_NOPM_2_20211101T105645_20211101T110204_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_20211101T110840_20211101T111002_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_20211101T111745_20211101T112111_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_20211101T113943_20211101T114343_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_20211101T115403_20211101T115451_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_20211101T115524_20211101T120448_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_20211101T120734_20211101T122855_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_20211101T123655_20211101T124101_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_20211101T124627_20211101T125606_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_20211101T125753_20211101T130401_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_20211101T130544_20211101T131027_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_20211101T133305_20211101T140734_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_20211101T141607_20211101T141908_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_20211101T142646_20211101T145749_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_20211101T142646_20211101T145749_C001 CS_OFFL_SIR_NOPM_2_20211101T151047_20211101T151150_C001 | and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| | and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set |
| CS_OFFL_SIR_NOPM_2_20211101T151047_20211101T151150_C001 | and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter | and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter 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 |
| CS_OFFL_SIR_NOPM_2_20211101T151047_20211101T151150_C001 CS_OFFL_SIR_NOPM_2_20211101T151258_20211101T154707_C001 | and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter 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. The OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_20211101T151047_20211101T151150_C001 CS_OFFL_SIR_NOPM_2_20211101T151258_20211101T154707_C001 CS_OFFL_SIR_NOPM_2_20211101T154940_20211101T155446_C001 | and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter 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. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20211101T151047_20211101T151150_C001 CS_OFFL_SIR_NOPM_2_20211101T151258_20211101T154707_C001 CS_OFFL_SIR_NOPM_2_20211101T1554940_20211101T155446_C001 CS_OFFL_SIR_NOPM_2_20211101T155453_20211101T155459_C001 | and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality | and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter 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. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20211101T151047_20211101T151150_C001 CS_OFFL_SIR_NOPM_2_20211101T151258_20211101T154707_C001 CS_OFFL_SIR_NOPM_2_20211101T1554940_20211101T155446_C001 CS_OFFL_SIR_NOPM_2_20211101T155453_20211101T155459_C001 CS_OFFL_SIR_NOPM_2_20211101T155524_20211101T155651_C001 | and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality | and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter 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. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20211101T151047_20211101T151150_C001 CS_OFFL_SIR_NOPM_2_20211101T151258_20211101T154707_C001 CS_OFFL_SIR_NOPM_2_20211101T155453_20211101T155446_C001 CS_OFFL_SIR_NOPM_2_20211101T155453_20211101T155459_C001 CS_OFFL_SIR_NOPM_2_20211101T155524_20211101T155651_C001 CS_OFFL_SIR_NOPM_2_20211101T160424_20211101T161422_C001 | and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter 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. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_20211101T151047_20211101T151150_C001 CS_OFFL_SIR_NOPM_2_20211101T151258_20211101T154707_C001 CS_OFFL_SIR_NOPM_2_20211101T155458_20211101T155446_C001 CS_OFFL_SIR_NOPM_2_20211101T155453_20211101T155459_C001 CS_OFFL_SIR_NOPM_2_20211101T155524_20211101T155651_C001 CS_OFFL_SIR_NOPM_2_20211101T160424_20211101T161422_C001 CS_OFFL_SIR_NOPM_2_20211101T162042_20211101T163628_C001 | and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter 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. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG 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. 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. 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_20211101T151047_20211101T151150_C001 CS_OFFL_SIR_NOPM_2_20211101T151258_20211101T154707_C001 CS_OFFL_SIR_NOPM_2_20211101T155459_20211101T155446_C001 CS_OFFL_SIR_NOPM_2_20211101T155453_20211101T155459_C001 CS_OFFL_SIR_NOPM_2_20211101T155524_20211101T155651_C001 CS_OFFL_SIR_NOPM_2_20211101T160424_20211101T161422_C001 CS_OFFL_SIR_NOPM_2_20211101T162042_20211101T163628_C001 CS_OFFL_SIR_NOPM_2_20211101T165442_20211101T163628_C001 CS_OFFL_SIR_NOPM_2_20211101T165442_20211101T171033_C001 | and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter 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. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG 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. 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. 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. 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_20211101T151047_20211101T151150_C001 CS_OFFL_SIR_NOPM_2_20211101T151258_20211101T154707_C001 CS_OFFL_SIR_NOPM_2_20211101T155458_20211101T155446_C001 CS_OFFL_SIR_NOPM_2_20211101T155453_20211101T155459_C001 CS_OFFL_SIR_NOPM_2_20211101T155524_20211101T155651_C001 CS_OFFL_SIR_NOPM_2_20211101T160424_20211101T161422_C001 CS_OFFL_SIR_NOPM_2_20211101T162042_20211101T163628_C001 CS_OFFL_SIR_NOPM_2_20211101T165442_20211101T17033_C001 CS_OFFL_SIR_NOPM_2_20211101T172531_C001 | and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Ocean Altimeter Range, SSHA, SWH | and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG 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. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG 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. 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. 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. 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. 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. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20211101T151047_20211101T151150_C001 CS_OFFL_SIR_NOPM_2_20211101T151258_20211101T1554707_C001 CS_OFFL_SIR_NOPM_2_20211101T155453_20211101T155446_C001 CS_OFFL_SIR_NOPM_2_20211101T155453_20211101T155459_C001 CS_OFFL_SIR_NOPM_2_20211101T155524_20211101T155651_C001 CS_OFFL_SIR_NOPM_2_20211101T160424_20211101T161422_C001 CS_OFFL_SIR_NOPM_2_20211101T162042_20211101T163628_C001 CS_OFFL_SIR_NOPM_2_20211101T165442_20211101T1733562001 CS_OFFL_SIR_NOPM_2_20211101T172531_C001 CS_OFFL_SIR_NOPM_2_20211101T172534_C001 | and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter OCOG Altimeter Range Quality, OCOG OCOG Altimeter Range Quality, OCOG OCOG Altimeter Range Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG 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. 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. 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. 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. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |

| CS_OFFL_SIR_NOPM_2_20211101T174200_20211101T180145_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_20211101T180147_20211101T180420_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_20211101T180542_20211101T181721_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_20211101T184316_20211101T190403_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_20211101T190939_20211101T191315_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_20211101T191322_20211101T191331_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_20211101T192035_20211101T194725_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_20211101T202001_20211101T204349_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_20211101T204722_20211101T205230_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_20211101T210007_20211101T213318_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_20211101T214543_20211101T214810_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_20211101T220034_20211101T220341_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_20211101T220812_20211101T221404_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_20211101T221913_20211101T222251_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_20211101T222723_20211101T223304_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_20211101T224046_20211101T231252_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_20211101T231511_20211101T231525_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_20211101T233741_20211101T233903_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_20211101T234536_20211102T000118_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_20211101T063135_20211101T063415_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_20211101T074301_20211101T074515_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_20211101T101440_20211101T101615_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_20211101T113439_20211101T113517_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_20211101T130525_20211101T130544_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_20211101T155518_20211101T155524_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_20211101T183617_20211101T183708_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_20211101T191648_20211101T191845_C001 | | 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_20211101T205231_20211101T205237_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_20211101T205605_20211101T205734_C001 | | 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_20211101T041152_20211101T041229_C001 | | 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. |

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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.

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| Product | Test Failed | Description |
|---|---|--|
| CS_OFFL_SIR_NOPN_2_20211101T003220_20211101T003538_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_20211101T024134_20211101T024502_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_20211101T024535_20211101T024800_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_20211101T033215_20211101T033336_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_20211101T033647_20211101T033910_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_20211101T041229_20211101T041832_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_20211101T042546_20211101T042723_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_20211101T051138_20211101T051352_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_20211101T053411_20211101T053816_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_20211101T060452_20211101T060643_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_20211101T065052_20211101T065543_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_20211101T081211_20211101T081324_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_20211101T110204_20211101T110323_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_20211101T112420_20211101T112604_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_20211101T113529_20211101T113538_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_20211101T113816_20211101T113943_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_20211101T115321_20211101T115403_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_20211101T130401_20211101T130516_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_20211101T140853_20211101T141041_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_20211101T161423_20211101T161529_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_20211101T164038_20211101T164253_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_20211101T172712_20211101T172838_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_20211101T173542_20211101T174200_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_20211101T181721_20211101T182117_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_20211101T183747_20211101T184131_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_20211101T201804_20211101T201926_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_20211101T205231_20211101T205237_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_20211101T205605_20211101T205734_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_20211101T213530_20211101T213702_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_20211101T222603_20211101T222722_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_20211101T223506_20211101T223620_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_20211101T232654_20211101T232752_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_20211101T010554_20211101T010931_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_20211101T023007_20211101T023705_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_20211101T024800_20211101T024911_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_20211101T050003_20211101T050035_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_20211101T050456_20211101T050638_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_20211101T070324_20211101T070538_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_20211101T073148_20211101T073409_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_20211101T074516_20211101T074757_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_20211101T082603_20211101T083116_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_20211101T090939_20211101T091339_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_20211101T095401_20211101T095605_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_20211101T100506_20211101T101307_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_20211101T101426_20211101T101440_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_20211101T104856_20211101T105331_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_20211101T113055_20211101T113438_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_20211101T113645_20211101T113816_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_20211101T114343_20211101T115230_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_20211101T122856_20211101T123216_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_20211101T124226_20211101T124627_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_20211101T132438_20211101T133228_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_20211101T142048_20211101T142646_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_20211101T150337_20211101T150920_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_20211101T155903_20211101T160424_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_20211101T161829_20211101T162042_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_20211101T164253_20211101T164938_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_20211101T182117_20211101T182640_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_20211101T190403_20211101T190706_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_20211101T195939_20211101T200948_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_20211101T205734_20211101T210007_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_20211101T213702_20211101T214303_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_20211101T214303_20211101T214439_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_20211101T214810_20211101T214932_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_20211101T215509_20211101T215601_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_20211101T220341_20211101T220406_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_20211101T222251_20211101T222602_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_20211101T223620_20211101T224046_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_20211101T232752_20211101T233144_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_20211101T233422_20211101T233741_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG 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.

5.7 L2 Ocean Retracking Quality Check

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.

68

134

Number of products with errors:

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.

0

1736

Number of products with errors:

7. NOP QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

| Product type | No. Products | No. QCC Reports | No. Valid | No. Warnings | No. Errors |
|--------------|--------------|-----------------|-----------|--------------|------------|
| SIR_NOPM1B | 169 | 169 | 3 | 166 | 0 |
| SIR_NOPR1B | 89 | 89 | 0 | 89 | 0 |
| SIR_NOPN1B | 107 | 107 | 3 | 104 | 0 |
| SIR_NOPM_2 | 169 | 169 | 112 | 57 | 0 |
| SIR_NOPR_2 | 89 | 89 | 20 | 69 | 0 |
| SIR_NOPN_2 | 107 | 107 | 42 | 65 | 0 |

7.1 QCC Errors

Number of QCC reports with errors:

7.2 QCC Warnings

Number of QCC reports with warnings

| Product Type | BCSHNCDF | MVIOEPFDNCDF | MVIOEPNCDF | per of occurrences of ea MVIONCDF | RBSZOPOEPFDNCDF | RBSZOPOEPFDPLRMNCD | RBSZOPOEPNCDE |
|--------------------------|-------------------|-----------------|--------------------|--------------------------------------|------------------|--------------------|---------------|
| SIR NOPM1B | 166 | | | 0 | | | 0 |
| - | | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_NOPM_2 | 0 | 43 | 43 | 2 | 46 | 0 | 38 |
| SIR_NOPN1B | 99 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_NOPN_2 | 0 | 13 | 34 | 3 | 31 | 33 | 20 |
| SIR_NOPR1B | 86 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_NOPR_2 | 0 | 35 | 41 | 2 | 39 | 28 | 14 |
| | | 1 | | i | i | 1 | i |
| Product Type | RNELPOTONCDF | RPEPOPFDLRMNCDF | RPEPOPFDPLRMSARNCD | RPEPOPFDPLRMSINNCDF | RPEPOPFDSARNCDF | RPEPOPFDSINNCDF | RPEPOPLRMNCDF |
| SIR_NOPM1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_NOPM_2 | 0 | 38 | 0 | 0 | 0 | 0 | 29 |
| SIR_NOPN1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_NOPN_2 | 1 | 0 | 0 | 27 | 0 | 35 | 0 |
| SIR_NOPR1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_NOPR_2 | 4 | 0 | 47 | 0 | 49 | 0 | 0 |
| | | | • | | | | |
| Product Type | RPEPOPSARNCDF | RPEPOPSINNCDF | RSSBCONCDF | RSSHAOFDNCDF | RSSHAOFDPLRMNCDF | RSSHAONCDF | RSWHOEPFDNCDF |
| SIR_NOPM1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_NOPM_2 | 0 | 0 | 3 | 26 | 0 | 8 | 33 |
| SIR_NOPN1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_NOPN_2 | 0 | 31 | 16 | 49 | 48 | 29 | 29 |
| SIR_NOPR1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_NOPR_2 | 44 | 0 | 1 | 58 | 36 | 6 | 42 |
| | | | - II | 1 | 1 | 1 | |
| Product Type | RSWHOEPFDPLRMNCDF | RSWHOEPNCDF | SOOHHIFHD | SCSTODHRNCDF | SCSTODNCDF | - | - |
| SIR NOPM1B | 0 | 0 | 0 | 0 | 0 | | |
| OIL_NOFINID | 0 | 4 | 0 | 0 | 0 | | |
| SIR_NOPM_2 | 0 | | | | | | |
| _ | 0 | 0 | 0 | 44 | 0 | | |
| SIR_NOPM_2 | 0 | - | 0 | 44 0 | 0 | | |
| SIR_NOPM_2 SIR_NOPN1B | | 0 13 0 | 0 1 0 | 44 0 89 | 0 0 1 | | |

| Test Description Key: | Test Description Key: | | | | | |
|-----------------------|---|---|--|--|--|--|
| Abbreviation | Test name | Details | | | | |
| BCSHNCDF | BurstCounterStep20HzNetCDF | The burst counter should be one higher with regard to the previous burst counter | | | | |
| MVIOEPFDNCDF | MissingValueIntOceanExcludingPolarFD2NetCDF | The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees | | | | |
| MVIOEPNCDF | MissingValueIntOceanExcludingPolarNetCDF | The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees | | | | |
| MVIONCDF | MissingValueIntOceanNetCDF | The value should not be a 'missing value' for surface type 0 only | | | | |
| RBSZOPOEPFDNCDF | RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF | The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | |
| RBSZOPOEPFDPLRM | RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF | The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | |
| RBSZOPOEPNCDF | RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF | The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | |
| RNELPOTONCDF | RangeNELPOceanTideOceanNetCDF | The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean | | | | |
| RPEPOPFDLRMNCDF | RangePeakinessExcludingPolarOPFD2LRMNetCDF | The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | |
| RPEPOPFDPLRMSAR | RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF | The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | |
| | RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF | The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | |
| RPEPOPFDSARNCDF | RangePeakinessExcludingPolarOPFD2SARNetCDF | The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | |
| RPEPOPFDSINNCDF | RangePeakinessExcludingPolarOPFD2SINNetCDF | The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | |
| RPEPOPLRMNCDF | RangePeakinessExcludingPolarOPLRMNetCDF | The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | |
| RPEPOPSARNCDF | RangePeakinessExcludingPolarOPSARNetCDF | The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | |
| RPEPOPSINNCDF | RangePeakinessExcludingPolarOPSINNetCDF | The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | |
| RSSBCONCDF | RangeSeaStateBiasCorrectionOceanNetCDF | The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean | | | | |
| RSSHAOFDNCDF | RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF | The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean | | | | |
| RSSHAOFDPLRMNCD F | RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF | The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean | | | | |

| RSSHAONCDF | RangeSeaSurfaceHeightAnomalyOceanNetCDF | The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean |
|-----------------|--|---|
| RSWHOEPFDNCDF | RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF | The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RSWHOEPFDPLRMNC | RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF | The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RSWHOEPNCDF | RangeSignificantWaveHeightOceanExcludingPolarNetCDF | The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| SOOHHIFHD | SameOrOneHigher1HzIndexFor20HzData | The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample |
| SCSTODHRNCDF | SequenceCounterStepTODHRNetCDF | The sequence counter should be modulo 4 higher with regard to the previous sequence counter |
| SCSTODNCDF | SequenceCounterStepTODNetCDF | The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter |

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0