

QA4EO Daily Report for NOP data:

<u>21/03/2023</u>

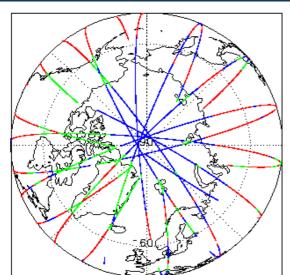
IDEAS-QA4E0

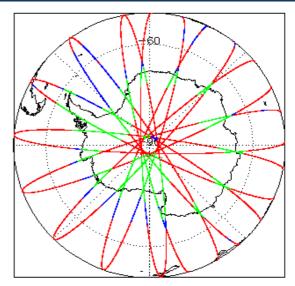
| Jonart Draduation. | 22-Mar-2023 | Check | L1 & L2 |
|---|--|---|----------------------|
| Report Production: | 22-War-2023 | Server check: science-pds.cryosat.esa.int | Nominal |
| Processor Used: | | Server check: calval-pds.cryosat.esa.int | Nominal |
| Processor Used: | CryoSat Ocean Processor | Product Software Check | Nominal |
| Data Usadi | Near Real Time Ocean Products (NOP) L1B & L2 Science Data | Product Format Check | Nominal |
| Data Used: | | Product Header Analysis | Nominal |
| | | Auxiliary Data File Usage Check | Nominal |
| We would love to hear from you! Please let us know your feedback about these daily | | Auxiliary Correction Error Check | See Section 5.4 |
| | | Measurement Confidence Data Check | See Section 4.5, 4.6 |
| quality reports: What do you like/ dislike? What quality | | Measurement Quality Flag Check | See Section 5.6 |
| information do you need? Send your feedback to cs2_qc_team@telespazio.com | | Ocean Retracking Quality Check | See Section 5.7 |
| | | QCC Error/ Warning Check | See Section 7.2 |

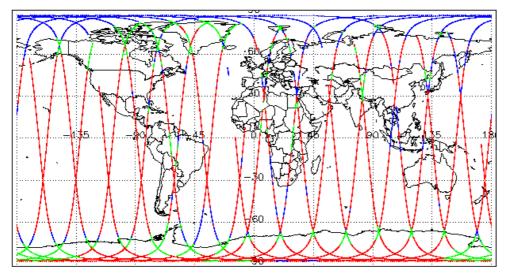
1. Overview

20-Mar-2023 None 21-Mar-2023 None 22-Mar-2023 None 22-Mar-2023 Nothing planned

2. Global Coverage









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

3. Instrument Configuration

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

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

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a NetCDF product file (.nc). Number of products with errors: 0

| 4.2 L1B Product Header Analysis | | | | | |
|--|---|---|--|--|--|
| For all products, a series of pre-defined checks are performed on the MPH and | For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. | | | | |
| > L1B Processing Quality HR: The 11b_proc_flag_hr flag is currently set all L OSARIn chains. A modification is required in the next release. | L1B Processing Quality HR: The 11b_proc_flag_hr flag is currently set all L1B NOPR and NOPN products because the 11b_processing_quality_hr field is not correctly configured in the OSAR and DSARIn chains. A modification is required in the next release. | | | | |
| 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 | e-determined baseline and also to | c check the validity of Auxiliary Data Files is correct. | | | |
| > Dynamic Atmospheric Correction: The DAC is missing in all products beca | ause the auxiliary files required a | re not available in time for processing. This known and expected behaviour. | | | |
| Number of products with errors: 0 | | | | | |
| 4.4 L1B Auxiliary Correction Error Check | | | | | |
| CryoSat L1B data includes a correction error flag for each measurement record | d. The bit value of this flag indica | tes any problems when set. | | | |
| Number of products with errors: 0 | | | | | |
| 4.5 L1B Measurement Confidence Data Check | | | | | |
| CryoSat L1B data includes a measurement confidence flag for each measurem | nent record. The bit value of this | flag indicates any problems when set. | | | |
| > Attitude Correction Missing: This flag is currently set in error for NOPR pro updated in the next SW update. | oducts due to a configuration issu | ue. The attitude correction is not actually missing, This is being investigated and will be | | | |
| Number of products with errors: 0 | | | | | |
| 4.6 L1B Waveform Group Data Check | | | | | |
| • | The bit color of this flow is discu | | | | |
| CryoSat L1B data includes a waveform data flag for each measurement record | - | es any problems when set. | | | |
| > Loss of Echo Flag: This flag is currently set for occasional products over land the set of the | nd, but this is to be expected. | | | | |
| Number of products with errors: 15 | | | | | |
| Product | Test Failed | Description | | | |
| CS_OFFL_SIR_NOPM1B_20230321T194509_20230321T201120_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_NOPN1B_20230321T011848_20230321T012226_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_NOPN1B_20230321T021150_20230321T021317_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_NOPN1B_20230321T033720_20230321T034334_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_NOPN1B_20230321T043705_20230321T043843_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_NOPN1B_20230321T084843_20230321T085007_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_NOPN1B_20230321T124539_20230321T124824_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_NOPN1B_20230321T160226_20230321T160533_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_NOPN1B_20230321T160553_20230321T160740_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |

CS_OFFL_SIR_NOPN1B_20230321T225813_20230321T225929_C001 CS_OFFL_SIR_NOPR1B_20230321T104236_20230321T104355_C001 CS_OFFL_SIR_NOPR1B_20230321T124955_20230321T125728_C001 CS_OFFL_SIR_NOPR1B_20230321T211916_20230321T212100_C001 5. NOP

CS_OFFL_SIR_NOPN1B_20230321T202121_20230321T202300_C001

CS_OFFL_SIR_NOPN1B_20230321T224929_20230321T225020_C001

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

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 NetCDF product file (.nc). 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.

Loss of Echo

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).

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

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

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

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

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

| Product | Test Failed | Description |
|---|---|--|
| CS_OFFL_SIR_NOPM_2_20230321T021830_20230321T024037_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPM_2_20230321T091505_20230321T091638_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPM_2_20230321T091906_20230321T091923_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_20230321T002151_20230321T002500_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_20230321T002743_20230321T003127_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_20230321T020222_20230321T020443_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_20230321T025730_20230321T025848_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_20230321T033720_20230321T034334_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_20230321T043705_20230321T043843_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_20230321T044010_20230321T044238_C001 | Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide | There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT and 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records |
| CS_OFFL_SIR_NOPN_2_20230321T051945_20230321T052122_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_20230321T061620_20230321T062106_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records |
| CS_OFFL_SIR_NOPN_2_20230321T070803_20230321T071036_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_20230321T083903_20230321T084254_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records |
| CS_OFFL_SIR_NOPN_2_20230321T101847_20230321T102201_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_20230321T102715_20230321T102829_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_20230321T115606_20230321T120029_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_20230321T120619_20230321T120737_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_20230321T124539_20230321T124824_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records |
| CS_OFFL_SIR_NOPN_2_20230321T124828_20230321T124954_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_20230321T134348_20230321T134535_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_20230321T142759_20230321T142901_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_20230321T152200_20230321T152427_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_20230321T160226_20230321T160533_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_20230321T160553_20230321T160740_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_20230321T170105_20230321T170513_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_20230321T174236_20230321T174627_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_20230321T175137_20230321T175211_C001 | Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) | There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_NOPN_2_20230321T184219_20230321T184401_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_20230321T202121_20230321T202300_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_20230321T215127_20230321T215247_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_20230321T215817_20230321T220132_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_20230321T224929_20230321T225020_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_20230321T233054_20230321T233208_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_20230321T233715_20230321T234030_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records |
| CS_OFFL_SIR_NOPR_2_20230321T043246_20230321T043704_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_20230321T074640_20230321T075321_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_20230321T091924_20230321T092103_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_20230321T093023_20230321T093811_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_20230321T111001_20230321T112110_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_20230321T124955_20230321T125728_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_20230321T142902_20230321T143428_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_20230321T143519_20230321T143611_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_20230321T152427_20230321T152701_C001 | Mean Sea Surface (1) | There is an error with the MSS height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPR_2_20230321T155746_20230321T155852_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_20230321T160804_20230321T161459_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_20230321T174627_20230321T175137_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_20230321T192358_20230321T193157_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_20230321T210234_20230321T211005_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_20230321T211304_20230321T211522_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_20230321T211916_20230321T212100_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:
0

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

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

90

Number of products with errors:

| Product | Test Failed | Description |
|---|--|---|
| CS_OFFL_SIR_NOPM_2_20230320T235946_20230321T000547_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_20230321T000734_20230321T002053_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_20230321T002500_20230321T002743_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |

| CLUMPUNUL_DESCRIPTIONER_LEADER TO INSCRIPTION Speer Altern Rug, RPA, RPL The Daw Numer Rug, RPA, RP | | | |
|--|---|-------------------------------|--|
| Bit DFF, BR HOMI 2 200821110198 200921101962 000 add Battacher Dage 2 discussion Caluty Regis has been discussin Caluty Regis has been discussion Caluty Regis has been | CS_OFFL_SIR_NOPM_2_20230321T003340_20230321T010059_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Bit OPL SR NOPV 2 202021101304 (2020) prof Bockandr Carly ODD prof BOCK Minner Regional Bockandr Carly ODD Bit OPL SR NOPV 2 2020201101310_2020201101304 (2020) Community Carly ODD prof Bockandr Carly ODD Bit OPL SR NOPV 2 2020201101310_2020201101304 (2020) Community Carly ODD prof Bockandr Carly NoPV 2000 Bit OPL SR NOPV 2 2020201102110_202001102100_0001 Community Carly ODD prof Bockandr Carly NoPV 2000 Bit OPD Annon P 200001100110_20202001102100_0001 Community Carly ODD prof Bockandr Carly NoPV 2000 Bit OPD Annon P 200001100110_20202001102100_0001 Community Carly ODD prof Bockandr Carly NoPV 2000 Bit OPD Annon P 200001100110_20202001102100_0001 Community Carly ODD prof Bockandr Carly NoPV 2000 Bit OPD Annon P 2000011001000_20202001100110_0001 Community Carly ODD prof Bockandr Carly NoPV 2000 Bit OPD Annon P 2000011001000_20202001100010_0001 Community Carly ODD prof Bockandr Carly NoPV 2000 Bit OPD Annon P 2000011001000_202020011000010_0001 Community Carly ODD prof Bockandr Carly NoPV 2000 Bit OPD Annon P 2000011001000_202020011000010_0001 Community Carly ODD NoPV 20000 prof Bockandr Carly NoPV 20000 Bit OPD Annon P 2000011000100_202020011000100_001 Community Carly ODD NoPV 200000 prof Bockandr Carly NoPV 200000 prof Bockandr Carly NoPV 200000 <td>CS_OFFL_SIR_NOPM_2_20230321T010138_20230321T010423_C001</td> <td>and Backscatter Quality, OCOG</td> <td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td> | CS_OFFL_SIR_NOPM_2_20230321T010138_20230321T010423_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| B3: OFTL SIR NOPM 2. 20200211701828.0001 evel Descatter during, FOSA Status evel Descatter during, FOSA Status DSI, OFTL SIR, NOPM 2. 20200211701828.0001 Comparison of the status Evel COM Anteres Range and Backetable Couldy Figs have been set Revealed Couldy. DSI, OFTL SIR, NOPM 2. 20200211701828.20010211701780.0001 Comparison of the status Evel COM Anteres Range and Backetable Couldy Figs have been set Revealed Couldy. DSI: OFTL SIR, NOPM 2. 20200211701828.20010211701780.0001 Comparison of the status Evel COM Anteres Range and Backetable Couldy Figs have been set Revealed Couldy. DSI: OFTL SIR, NOPM 2. 20200211701828.20010217001780.0001 Comparison of the status and the status of the status and the status of the status of the status and the status of the status and the status of th | CS_OFFL_SIR_NOPM_2_20230321T012349_20230321T013044_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Col: OFIC 3811 NOVIA 2. ADXXXVI 100 100 UNIT Boddamter Cashy for state arrow results Col: OFIC 3811 NOVIA 2. ADXXVI 1021322 B22232211021730 CB11 Does Afterator Rapp, SDM, SMM, SMM, SMM, American Rapp, SDM, SMM, SMM, SMM, SMM, American Rapp, SDM, SMM, SMM, SMM, SMM, American Rapp, SDM, SMM, SMM, SMM, SMM, SMM, SMM, SMM | CS_OFFL_SIR_NOPM_2_20230321T013102_20230321T015520_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CR_0FH_JRR_NOPM_2_INS20011101312_02202011101328_020001 Te doom Altereor Renz, SSH, SWH and Backater Cally Figg have been atthe context and the context | CS_OFFL_SIR_NOPM_2_20230321T020905_20230321T021150_C001 | | |
| CBL_OFFL_SRI_NOPKL_2_20000011102487_0001 mor Redusate Cuality, COCG asset for or an inner result. CB_OFFL_SIN_NOPKL_2_20000011002180_02000011002487_0001 COCGA Alteretin Regin as Balactactur Cuality Flags have been set for or an inner result. CB_OFFL_SIN_NOPKL_2_20000011000180_02000011000189_0001 COCGA Alteretin Regin as SSIA, SWH and Backacate Cuality, Flags have been set for or an inner result. CB_OFFL_SIN_NOPKL_2_20000011000189_000011000189_0001 COCGA Alteretin Regin as SSIA, SWH and Backacate Cuality, Flags have been set for or an inner result. CB_OFFL_SIN_NOPKL_2_20000011000189_000011000179_0000011000179_0000011000179_0000011000179_00000011000179_00000011000179_0000011000179_00000011000179_00000011000179_0000000000 | CS_OFFL_SIR_NOPM_2_20230321T021323_20230321T021739_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| City, DPL, SH, NOPM, 2, 2020021100604, 20202021100600, CO11 Bioleccetter Quity Ito Ceen Attinueter Rang, SHA, SWH CS, OFFL, SR, NOPM, 2, 2020021100604, 2022021100600, CO11 Cies Attinueter Rang, SHA, SWH The Ocean Attinueter Rang, SHA, SWH and Biolocculter Quity Rang, and Biolocculter Quity, Rang, SHA, SWH and Biolocculter Quity Rang, and Biolocculter Quity, Rang, and the COCA Attinueter Rang, SHA, SWH and Biolocculter Quity Rang, and the COCA Attinueter Rang, SHA, SWH and Biolocculter Quity Rang, and the COCA Attinueter Rang, and Biolocculter Quity, Rang, and the COCA Attinueter Rang, and Biolocculter Quity, Rang, And Rang, Rang, Quity, Quity, Quity, Rang, And Rang, Rang, Quity, Quity, Quity, Rang, Rang, Quity, Quity, Rang, Rang, Quity, Quity, Quity, Rang, Rang, Quity, Quity, Quity, Rang, Rang, Quity, Quity, Rang, Rang, Quity, Quity, Rang, Rang, Quity, Quity, Quity, Rang, Rang, Quity, | CS_OFFL_SIR_NOPM_2_20230321T021830_20230321T024037_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS, OFFL_SRL_NOPM_2_022020171030408_00201 More Backscatter Cuality Cuality Cuality Flags have bein After Renge and Backscatter Cuality Flags have been After Backscatter Cuality Flags have been After Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alternet Renge and Backscatter Cuality Flags have been after and the OCOG Alte | CS_OFFL_SIR_NOPM_2_20230321T025848_20230321T030239_C001 | | |
| CB_OFFL_SIR_NOPM_2_2023021T03553_2023021T03156_001 and Backsatter Quality and the COGA Altereter Range and Backsatter Quality Flags have been after the Range and Backsatter Quality Flags have been after the Range and Backsatter Quality Flags have been after and range and Backsatter Quality Flags have been after and range and Backsatter Quality Flags have been after and range and Backsatter Quality Flags have been after and range and Backsatter Quality Flags have been after Quality Flags have been after and range and Backsatter Quality Flags have been after and rand range and Backsatter Quality Flags have been after and r | CS_OFFL_SIR_NOPM_2_20230321T030408_20230321T030602_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CB_OFFL_SIR_NOPM_2_2023021T034308_2023021T034909_C001 and Backscatter Quality, C0CG and the CCCS Advectore Range Quality, C0CG CS_OFFL_SIR_NOPM_2_20230221T034338_20230221T034639_C001 CCCO Advectore Range Quality, C0CG The CCCO Advectore Range Quality, C0CG CS_OFFL_SIR_NOPM_2_20230221T034631_20230221T034639_C001 CCCO Advectore Range Quality, C0CG The CCCO Advectore Range Quality, C0CG CS_OFFL_SIR_NOPM_2_20230221T034631_20230221T034639_C001 CCCO Advectore Range Quality, C0CG The CCCO Advectore Range and Backscatter Quality Fags have been set for one rome records. CS_OFFL_SIR_NOPM_2_20230221T034639_C0230221T034639_C0230 CCCO Advectore Range Quality, C0CG The CCCO Advectore Range and Backscatter Quality Fags have been set for one rome records. CS_OFFL_SIR_NOPM_2_20230221T044395_C0211 CCCO Advectore Range Quality, C0CG The COCG Advectore Range Quality, C0CG CS_OFFL_SIR_NOPM_2_20230221T044395_C021 CCCG Advectore Range Quality, C0CG The OCGG Advectore Range Quality, C0CG CS_OFFL_SIR_NOPM_2_20230221T044395_C0210 CCCG Advectore Range, SHA, SWH The OCGG Advectore Range, SHA, SWH CS_OFFL_SIR_NOPM_2_20230221T04446_0_20230221T045202_C0210 CCCG Advectore Range Quality, C0CG The OCGG Advectore Range and Backscatter Quality Fags have been set for one rome cocds. CS_OFFL_SIR_NOPM_2_20230221T05212_20230221T05212_20230221T05522_C021 CCCG Advectore Range Quality, C0CG The OCGG Advectore Range Quality, C0CG | CS_OFFL_SIR_NOPM_2_20230321T030753_20230321T031956_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Do. DFPL_SIR_NOPM_2_0023021103435_0023021103508_0001 Backscatter Quality to one or more records OS_OFFL_SIR_NOPM_2_0023021103463_0023021103508_0001 DCGG_Alimeter Range_Quality_OCCG The OCCG Alimeter Range and Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_NOPM_2_0023021104205_0023021104205_0001 DCGG_Alimeter Range_Quality_OCCG The OCCG Alimeter Range and Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_NOPM_2_0023021104205_0023021104205_0001 DCGG Alimeter Range Cuality, COCG The OCCG Alimeter Range and Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_NOPM_2_00230211044013_0223021104203_0001 CGG Alimeter Range Cuality, COCG The OCCG Alimeter Range and Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_NOPM_2_00230211044013_0223021104503_0001 CGG Alimeter Range Cuality, COCG The OCCG Alimeter Range and Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_NOPM_2_002302211045146_022303211051906_C001 COCG Alimeter Range Cuality, COCG The OCCG Alimeter Range and Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_NOPM_2_002302211051906_C001 COCG Alimeter Range Cuality, COCG The OCCG Alimeter Range and Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_NOPM_2_002302211051906_C001 COCG Alimeter Range Cuality, COCG The OCCG Alimeter Range and Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_NOPM_2_00230221105210_02020211055 | CS_OFFL_SIR_NOPM_2_20230321T033308_20230321T033719_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Dis_PPE_SIR_NOPM_2_Al2303211035331_02303211040552_0001 Backacater Quality Inor one or more records CS_OFR_SIR_NOPM_2_202303211042055_00230211040742_C001 Ocean Altimeter Range, SSHA, SWH and bootscatter Quality Flags have been set for one or more records CS_OFR_SIR_NOPM_2_202303211042055_00230211042055_002001 Ocean Altimeter Range, SSHA, SWH and bootscatter Quality Flags have been set for one or more records CS_OFR_SIR_NOPM_2_202303211042055_00203211042055_002001 Ocean Altimeter Range, SSHA, SWH and backscatter Quality Flags have been set for one or more records CS_OFR_SIR_NOPM_2_202303211042045_00203211045008_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFR_SIR_NOPM_2_202303211045108_00001 Ocean Altimeter Range Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFR_SIR_NOPM_2_202303211055108_0001 OCCOA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFR_SIR_NOPM_2_202303211055108_0001 OCCOA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFR_SIR_NOPM_2_202303211055210_202303211055622_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records | CS_OFFL_SIR_NOPM_2_20230321T034335_20230321T034609_C001 | | |
| CS_OFFL_SIR_NOPM_2_2023021T05529_2023021T04735_001 and Backscatter Quality, COCG Allimeter Range and Backscatter Quality Stags have been Allimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230321T042355_001 OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230321T042355_001 OCCG Altimeter Range SNA, SWH and Backscatter Quality The OCCG Altimeter Range and Backscatter Quality Flags have been and the COCG Altimeter Range, SSNA, SWH and Backscatter Quality Flags have been altimeter Range, SSNA, SWH and Backscatter Quality Flags have been altimeter Range SSNA, SWH and Backscatter Quality Flags have been altimeter Range, SSNA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been altimeter Range, SSNA, SWH and Backscatter Quality Flags have been altimeter Range, SSNA, SWH and Backscatter Quality Flags have been altimeter Range, SSNA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been altimeter Range, SSNA, SWH and Backscatter Quality Flags have been altimeter Range, SSNA, SWH and B | CS_OFFL_SIR_NOPM_2_20230321T034631_20230321T035058_C001 | | |
| US_OFFL_SIR_NOPM_2_20230321104203_0001 Backscatter Quality for one or more records CS_OFFL_SIR_NOPM_2_20230321104613_202203211045203_0001 Cosan Altimeter Range SSHA, SWH and Backscatter Quality Flags have been at the COGA Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the COGA Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_202303211045446_202303211051908_0001 Cosan Altimeter Range, SSHA, SWH and Backscatter Quality The OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set to one or more records CS_OFFL_SIR_NOPM_2_202303211053212_202303211053011_C001 OCGG Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set to one or more records The OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set to one or more records CS_OFFL_SIR_NOPM_2_202303211053210_202303211055823_0001 OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set to one or more records CS_OFFL_SIR_NOPM_2_202303211065328_00230211065824_0001 OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set to one or more records CS_OFFL_SIR_NOPM_2_202303211065328_00230211070340_202303211070340_202303211070340_002303211070340_002303211070340_002303211070340_002303211070340_002303211070340_002303211070340_002303211070340_002303211070340_002303211070340_002303211070340_002303211070340_002303211070340_002303211070340_002303211070340_002303211070340_00230211070340_002303211070340_002303211070340_002303211070340_00230211070340_00230211070340_00230211070340_0023032110703440_00230211070340_00230211070340_00230211070 | CS_OFFL_SIR_NOPM_2_20230321T035239_20230321T040743_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_20230321T044613_20230321T045203_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality, Flags have been CS_OFFL_SIR_NOPM_2_20230321T045446_20230321T051908_C001 Cocan Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPM_2_20230321T052122_20230321T053011_C001 Backscatter Quality, OCOG The Ocean Altimeter Range and Backscatter Quality, Flags have been act CS_OFFL_SIR_NOPM_2_20230321T053210_20230321T055021_C001 Cocan Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality, Flags have been act CS_OFFL_SIR_NOPM_2_20230321T053210_20230321T055823_C001 Cocan Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality, Flags have been act CS_OFFL_SIR_NOPM_2_20230321T053221_20230321T055823_C001 Cocan Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality, Flags have been act CS_OFFL_SIR_NOPM_2_20230321T053328_20230321T055824_C001 Cocan Altimeter Range Quality, OCOG The OCGA Altimeter Range and Backscatter Quality Flags have been act CS_OFFL_SIR_NOPM_2_20230321T070340_20230321T070340_20230321T073643_C001 Backscatter Quality, OCOG The OCGA Altimeter Range and Backscatter Quality Flags have been act CS_OFFL_SIR_NOPM_2_20230321T070340_20230321T073643_C001 Cocan Altimeter Range Quality, OCOG The OCGA Altimeter Range and Backscatter Quality Flags have been act CS_OFFL_SIR_NOPM_2_20230321T0703 | CS_OFFL_SIR_NOPM_2_20230321T042055_20230321T042355_C001 | | |
| CS_OFFL_SIR_NOPM_2_20230321T045446_20230321T051908_C001 and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, SCOG Backscatter Quality, COCG and the OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230321T052122_20230321T055212_0230321T055263_C001 DCGA Altimeter Range, SSHA, SWH and Backscatter Quality, COCG 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_20230321T053210_20230321T055623_C001 Dcean Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Set for one or more records CS_OFFL_SIR_NOPM_2_20230321T053220_20230321T055823_C001 Dcean Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230321T070340_20230321T070803_C001 Dcean Altimeter Range, SSHA, SWH and Backscatter Quality The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230321T071102_20230321T073643_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230321T08500_20230321T08500_20230321T0863727_C001 Ocean Altimeter Range and Backscatter Quality The OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_ | CS_OFFL_SIR_NOPM_2_20230321T044613_20230321T045203_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_202303211053210_202303211055623_C001 Backscatter Quality for one or more records CS_OFFL_SIR_NOPM_2_202303211053210_202303211055623_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags set for one or more records CS_OFFL_SIR_NOPM_2_202303211063328_202303211065824_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_202303211063328_2023032110063824_C001 Ocean Altimeter Range Quality, OCOG 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_202303211070340_202303211070803_C001 OCGA Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_202303211071102_202303211073643_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags hard backscatter Quality CS_OFFL_SIR_NOPM_2_202303211080500_202303211083727_C001 Ocean Altimeter Range and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_202303211084254_202303211084842_C001 | CS_OFFL_SIR_NOPM_2_20230321T045446_20230321T051908_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_20230321T053210_20230321T055623_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20230321T063328_20230321T065824_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20230321T070340_20230321T070803_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_20230321T070340_20230321T070803_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, COOG Altimeter Range, SSHA, SWH and Backscatter Quality, COOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, COOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230321T080500_20230321T083727_C001 Ocean Altimeter Range Quality, 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_20230321T084254_20230321T084842_C001 Ocean Al | CS_OFFL_SIR_NOPM_2_20230321T052122_20230321T053011_C001 | | |
| CS_OFFL_SIR_NOPM_2_20230321T063328_20230321T065824_C001 and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230321T070340_20230321T070803_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_20230321T070340_20230321T070803_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range, and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230321T080500_20230321T083727_C001 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 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality, OCOG 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_20230321T084524_20230321T084842_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range an | CS_OFFL_SIR_NOPM_2_20230321T053210_20230321T055623_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_20230321107/0340_20230321107/0803_C001 Backscatter Quality for one or more records CS_OFFL_SIR_NOPM_2_202303211071102_202303211073643_C001 Docean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_202303211080500_202303211083727_C001 Ocean 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 Altimeter Range and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_202303211084254_202303211084842_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_202303211085007_202303211085658_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_202303211085607_202303211085658_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records Ocean Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been 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 have been set for one or more records | CS_OFFL_SIR_NOPM_2_20230321T063328_20230321T065824_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_20230321T071102_20230321T073643_C001 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 CS_OFFL_SIR_NOPM_2_20230321T080500_20230321T083727_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range 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_20230321T084254_20230321T084842_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, 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_20230321T0840507_20230321T085658_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230321T085007_20230321T085658_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range 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_20230321T070340_20230321T070803_C001 | | |
| CS_OFFL_SIR_NOPM_2_20230321T080500_20230321T083727_C001 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 CS_OFFL_SIR_NOPM_2_20230321T084254_20230321T084842_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_20230321T0840507_20230321T085658_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230321T085007_20230321T085658_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Cocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH 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 | CS_OFFL_SIR_NOPM_2_20230321T071102_20230321T073643_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_20230321T084254_20230321T084842_C001 Backscatter Quality for one or more records CS_OFFL_SIR_NOPM_2_20230321T085007_20230321T085658_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 and the OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality | CS_OFFL_SIR_NOPM_2_20230321T080500_20230321T083727_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_NOPM_2_20230321T085007_20230321T085658_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags | CS_OFFL_SIR_NOPM_2_20230321T084254_20230321T084842_C001 | | |
| | CS_OFFL_SIR_NOPM_2_20230321T085007_20230321T085658_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Altimeter Range and Backscatter Quality set for one or more records | CS_OFFL_SIR_NOPM_2_20230321T085841_20230321T090553_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |

| CS_OFFL_SIR_NOPM_2_20230321T092749_20230321T092838_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_20230321T094124_20230321T101630_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_20230321T102201_20230321T102714_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_20230321T102852_20230321T103200_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_20230321T103401_20230321T103816_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_20230321T110431_20230321T110710_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_20230321T112110_20230321T113006_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_20230321T113252_20230321T115520_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_20230321T120809_20230321T122642_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_20230321T130158_20230321T130534_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_20230321T130714_20230321T131713_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_20230321T131717_20230321T133406_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_20230321T133535_20230321T134102_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_20230321T134121_20230321T134348_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_20230321T135206_20230321T140434_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_20230321T140517_20230321T142220_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_20230321T144555_20230321T145529_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_20230321T145732_20230321T151320_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_20230321T151503_20230321T152000_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_20230321T152007_20230321T152014_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_20230321T152901_20230321T154121_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_20230321T154602_20230321T155746_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_20230321T163656_20230321T165211_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_20230321T165430_20230321T165914_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_20230321T165919_20230321T165931_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_20230321T170517_20230321T173232_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_20230321T180249_20230321T180346_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_20230321T180631_20230321T182732_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_20230321T182821_20230321T183156_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_20230321T183453_20230321T183829_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_20230321T183837_20230321T183846_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_20230321T183852_20230321T184219_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_20230321T184444_20230321T191331_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_20230321T194509_20230321T201120_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_20230321T201248_20230321T201744_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_20230321T202424_20230321T205926_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_20230321T211230_20230321T211304_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_20230321T212106_20230321T212220_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_20230321T213122_20230321T213138_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_20230321T214435_20230321T214557_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_20230321T214757_20230321T215105_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_20230321T215247_20230321T215816_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_20230321T220323_20230321T223741_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_20230321T225111_20230321T225243_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_20230321T230136_20230321T230422_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_20230321T231031_20230321T233014_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_20230321T233208_20230321T233714_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_20230321T234226_20230322T001643_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_20230321T043705_20230321T043843_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_20230321T070803_20230321T071036_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_20230321T134348_20230321T134535_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_20230321T193158_20230321T193218_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 |
| | 1 | • |

| CS_OFFL_SIR_NOPN_2_20230321T225243_20230321T225305_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
|---|--|---|
| CS_OFFL_SIR_NOPR_2_20230321T010849_20230321T010850_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_NOPR_2_20230321T024038_20230321T024223_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_20230321T043246_20230321T043704_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_NOPR_2_20230321T142902_20230321T143428_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_NOPR_2_20230321T144029_20230321T144029_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_NOPR_2_20230321T180047_20230321T180052_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_NOPR_2_20230321T210053_20230321T210109_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_NOPR_2_20230321T210112_20230321T210121_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |

L2 Quality Flags (20 Hz 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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Number of products with errors:

| Product | Test Failed | Description |
|---|---|---|
| CS_OFFL_SIR_NOPN_2_20230321T002743_20230321T003127_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_20230321T003143_20230321T003238_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_20230321T011848_20230321T012226_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_20230321T012312_20230321T012349_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_20230321T020222_20230321T020443_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_20230321T024224_20230321T024442_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_20230321T025730_20230321T025848_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_20230321T030239_20230321T030407_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_20230321T044010_20230321T044238_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_20230321T044450_20230321T044612_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_20230321T053011_20230321T053210_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_20230321T055624_20230321T055630_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_20230321T055703_20230321T055949_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_20230321T060045_20230321T060215_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_20230321T061620_20230321T062106_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_20230321T065922_20230321T070052_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_20230321T070229_20230321T070339_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_20230321T070803_20230321T071036_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_20230321T075934_20230321T080500_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_20230321T083903_20230321T084254_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_20230321T091359_20230321T091504_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_20230321T101847_20230321T102201_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_20230321T115606_20230321T120029_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_20230321T124828_20230321T124954_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_20230321T134348_20230321T134535_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_20230321T143428_20230321T143519_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_20230321T144222_20230321T144358_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_20230321T151321_20230321T151503_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_20230321T152200_20230321T152427_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_20230321T154249_20230321T154601_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_20230321T155920_20230321T160018_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_20230321T160226_20230321T160533_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_20230321T160553_20230321T160740_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_20230321T165211_20230321T165429_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_20230321T174016_20230321T174139_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_20230321T174236_20230321T174627_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_20230321T175137_20230321T175211_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_20230321T183222_20230321T183453_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_20230321T201121_20230321T201248_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_20230321T212536_20230321T212634_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_20230321T213139_20230321T213442_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_20230321T215127_20230321T215247_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_20230321T215817_20230321T220132_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_20230321T225813_20230321T225929_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_20230321T230809_20230321T231030_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_20230321T010541_20230321T010822_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_20230321T010826_20230321T010845_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_20230321T015520_20230321T020222_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_20230321T031957_20230321T032209_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_20230321T040744_20230321T040923_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_20230321T041206_20230321T041632_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_20230321T042433_20230321T042452_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_20230321T043246_20230321T043704_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_20230321T044238_20230321T044317_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_20230321T074640_20230321T075321_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_20230321T093023_20230321T093811_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_20230321T093928_20230321T093935_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_20230321T101630_20230321T101847_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_20230321T104236_20230321T104355_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_20230321T110711_20230321T110948_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_20230321T111001_20230321T112110_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_20230321T124955_20230321T125728_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_20230321T125843_20230321T125903_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_20230321T130009_20230321T130009_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_20230321T142902_20230321T143428_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_20230321T144003_20230321T144021_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_20230321T152427_20230321T152701_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_20230321T155746_20230321T155852_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_20230321T160133_20230321T160225_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_20230321T160804_20230321T161459_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_20230321T161920_20230321T161935_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_20230321T173232_20230321T173320_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_20230321T174627_20230321T175137_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_20230321T175212_20230321T175351_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_20230321T192358_20230321T193157_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_20230321T210047_20230321T210051_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_20230321T210234_20230321T211005_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_20230321T211304_20230321T211522_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_20230321T211916_20230321T212100_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_20230321T214144_20230321T214434_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_20230321T225444_20230321T225705_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_20230321T225929_20230321T230136_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 & 1 Hz PLRM)

Currently, there are several common flags raised in the Level 2 products, which are summarised below.

183

61

136

> 1 Hz and 1 Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected.

Number of products with errors:

5.7 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20 Hz)

CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.

> Ocean Retracking Quality Flag: This flag is currently set for products falling at ocean/ land boundaries, but this is expected.

Number of products with errors:

L2 Retracking Flags (20 Hz PLRM)

CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz PLRM measurement record. The bit value of this flag indicates any problems when set.

> Ocean Retracking Quality Flag (PLRM): This flag is currently set for products NOPR and NOPN products over sea ice, but this is to be expected.

Number of products with errors:

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 | 175 | 175 | 5 | 170 | 0 |
| SIR_NOPR1B | 139 | 139 | 1 | 138 | 0 |
| SIR_NOPN1B | 108 | 108 | 3 | 105 | 0 |
| SIR_NOPM_2 | 175 | 175 | 121 | 54 | 0 |
| SIR_NOPR_2 | 139 | 139 | 61 | 78 | 0 |
| SIR_NOPN_2 | 108 | 108 | 39 | 69 | 0 |

Details

Test Description Key:

Abbreviation Test name

SIR NOPR 2

Number of QCC reports with warnings

Total number of occurrences of each warning

 IMVIOEPNCDF
 IMVIONCDF
 IMSZOPOEPFDNCDF
 MVIOEPFDNCDF RBSZOPOEPFDPLRMNCCRBSZOPOEPNCDF BCSHNCDF Product Type SIR_NOPM1B 39 0 28 0 34 38 SIR_NOPM_2 SIR_NOPN1B SIR NOPN 2 0 SIR_NOPR1B SIR_NOPR_2 Product Type SIR_NOPM1B RDTCONCDF RIBCONCDF RLPTONCDF RNELPOTONCDF RPEPOPFDLRMNCDF RPEPOPFDPLRMSARNCERPEPOPFDPLRMSINNCD 0 45 SIR_NOPM_2 SIR_NOPN1B SIR_NOPN_2 40 SIR_NOPR1B SIR_NOPR_2 Product Type RPEPOPFDSARNCDF RPEPOPFDSIN RPEPOPLRMNCDF RPEPOPSARNCDF RPEPOPSINNCDF RSSBCONCDF RSSHAOFDNCDF NCDF SIR NOPM1B 25 31 0 0 0 0 6 SIR NOPM 2 21 SIR_NOPN1B SIR_NOPN_2 SIR_NOPR1B SIR_NOPR_2 RSWHOEPFDNCDF SCSTODHRNCDF RSSHAOFDPLRMNCDF RSSHAONCDF RSWHOEPFDPLRMNCDF RSWHOEPNCDF SOOHHIFHD Product Type SIR_NOPM1B SIR NOPM 2 28 0 39 28 SIR_NOPN1B 138 SIR NOPN 2 SIR NOPR1B

| 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 NCDF | 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 | |
| RDTCONCDF | RangeDryTroposphericCorrectionOceanNetCDF | The Dry tropospheric correction should be between -2500mm and -1900mm (or missing) for surface type = ocean - NetCDF | |
| RIBCONCDF | RangeInverseBarometricCorrectionOceanNetCDF | The Inverse barometric correction should be between -2000mm and 2000mm (or missing) for surface type = ocean - NetCDF | |
| RLPTONCDF | RangeLongPeriodTideOceanNetCDF | The Long period tide height should be between -50mm and 50mm (or missing) for surface type = ocean - NetCDF | |
| 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 NCDF | RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF | The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | |
| RPEPOPFDPLRMSINN CDF | 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 DF | 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 | |

- 7.3 Missing QCC Reports
- Number of products with missing QCC reports: 0