

1. Overview

| Report Production: | 30-Jun-2023 |
|--------------------|--|
| Processor Used: | CryoSat Ocean Processor |
| Data Used: | Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data |

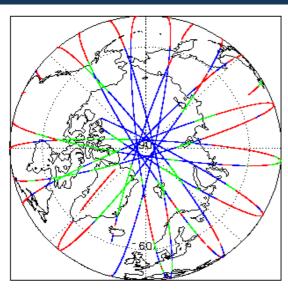
We would love to hear from you!

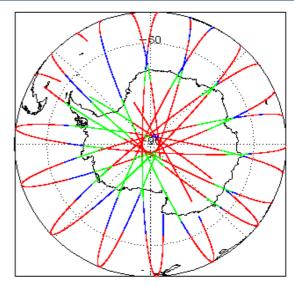
Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com

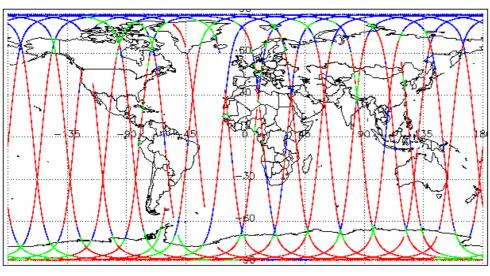
| Check | L1 & L2 | P2P |
|--|--------------------------|-------------------------|
| Server check: science-pds.cryosat.esa.int | Nominal | Nominal |
| Server check: calval-pds.cryosat.esa.int | Nominal | Nominal |
| Product Software Check | Nominal | Nominal |
| Product Format Check | Nominal | Nominal |
| Product Header Analysis | See Sections 4.2 and 5.2 | See Section 6.2 |
| Auxiliary Data File Usage Check | See Section 4.3 and 5.3 | See Section 6.3 |
| Auxiliary Correction Error Check | See Section 5.4 | See Section 6.4 |
| Measurement Confidence Data Check | See Section 4.5, 4.6 | Nominal |
| Range, SWH & Backscatter Measurement Check | See Section 5.6 | See Section 6.6 |
| Ocean Retracking Quality Check | See Section 5.7 | See Section 6.7 |
| QCC Error/ Warning Check | See Section 7.2 | See Section 7.2 and 7.3 |

| Mission / Instrument News | | |
|---------------------------|-----------------|--|
| 28-May-2023 | None | |
| 29-May-2023 | None | |
| 30-May-2023 | Nothing planned | |

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. GOP 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).

4.2 L1B Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B GOPR and GOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

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. The bit value of this flag indicates any problems when set.

Number of products with errors:

0

4.5 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag for each measurement record. The bit value of this flag indicates any problems when set.

Attitude Correction Missing: This flag is currently set in error for GOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

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15

4.6 L1B Waveform Group Data Check

CryoSat L1B data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set

Loss of Echo Flag: This flag is currently set for some products over land, but this is to be expected.

Number of products with errors:

| Product | Test Failed | Description |
|---|--------------|--|
| CS_OFFL_SIR_GOPN1B_20230529T000331_20230529T000914_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPN1B_20230529T060535_20230529T060651_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPN1B_20230529T072902_20230529T073013_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPN1B_20230529T091125_20230529T091531_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPN1B_20230529T182351_20230529T182711_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPN1B_20230529T223245_20230529T223735_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPR1B_20230529T005641_20230529T005740_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPR1B_20230529T055601_20230529T060351_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPR1B_20230529T064046_20230529T064421_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPR1B_20230529T073415_20230529T073507_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPR1B_20230529T073541_20230529T074659_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPR1B_20230529T091050_20230529T091125_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPR1B_20230529T123342_20230529T123916_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPR1B_20230529T190346_20230529T191343_C001 | Loss of Echo | The tracking echo is missing for one or more records |

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a 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.

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

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 that are expected, due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues that may arise from this test.

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.
- > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over 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.

Number of products with errors:

64

| Product | Test Failed | Description |
|---|--------------------------------|---|
| CS_OFFL_SIR_GOPM_2_20230529T011149_20230529T011453_C001 | liviean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |

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|---|---|---|
| CS_OFFL_SIR_GOPM_2_20230529T023312_20230529T023415_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_GOPM_2_20230529T053717_20230529T054219_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_GOPM_2_20230529T054356_20230529T054510_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPM_2_20230529T112304_20230529T113811_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPM_2_20230529T115448_20230529T120516_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPM_2_20230529T234526_20230529T235448_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20230529T000331_20230529T000914_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_GOPN_2_20230529T005740_20230529T005829_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20230529T010238_20230529T010448_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_GOPN_2_20230529T014521_20230529T014659_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20230529T015546_20230529T015755_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20230529T023730_20230529T023817_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_GOPN_2_20230529T024152_20230529T024638_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_GOPN_2_20230529T033339_20230529T033603_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20230529T041559_20230529T041734_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_GOPN_2_20230529T042036_20230529T042143_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_GOPN_2_20230529T050434_20230529T050827_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 height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records |
| CS_OFFL_SIR_GOPN_2_20230529T055505_20230529T055601_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20230529T064421_20230529T064735_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_GOPN_2_20230529T073507_20230529T073541_C001 | Mean Sea Surface (1) | There is an error with the MSS height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20230529T083152_20230529T083315_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_GOPN_2_20230529T091125_20230529T091531_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_GOPN_2_20230529T114736_20230529T115121_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_GOPN_2_20230529T123131_20230529T123342_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_GOPN_2_20230529T131745_20230529T131953_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20230529T132636_20230529T133107_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_GOPN_2_20230529T140814_20230529T141206_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_GOPN_2_20230529T141224_20230529T141332_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_GOPN_2_20230529T145801_20230529T150035_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_GOPN_2_20230529T150754_20230529T150938_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_GOPN_2_20230529T164654_20230529T164831_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20230529T181702_20230529T181818_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20230529T182351_20230529T182711_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 |
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|---|---|---|
| CS_OFFL_SIR_GOPN_2_20230529T191505_20230529T191600_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20230529T195621_20230529T195739_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_GOPN_2_20230529T200249_20230529T200600_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 height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records |
| CS_OFFL_SIR_GOPN_2_20230529T213717_20230529T213954_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records |
| CS_OFFL_SIR_GOPN_2_20230529T214153_20230529T214726_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_GOPN_2_20230529T222532_20230529T222718_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20230529T223245_20230529T223735_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_GOPN_2_20230529T231509_20230529T231902_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_GOPR_2_20230529T005829_20230529T005914_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_GOPR_2_20230529T005914_20230529T010238_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_GOPR_2_20230529T023817_20230529T024152_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_GOPR_2_20230529T041734_20230529T042036_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_GOPR_2_20230529T042143_20230529T042222_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_GOPR_2_20230529T054510_20230529T054648_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20230529T055601_20230529T060351_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_GOPR_2_20230529T073541_20230529T074659_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_GOPR_2_20230529T091531_20230529T092322_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_GOPR_2_20230529T105427_20230529T110008_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_GOPR_2_20230529T123342_20230529T123916_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_GOPR_2_20230529T141206_20230529T141224_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_GOPR_2_20230529T141332_20230529T141722_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| | | |

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

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.

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Number of products with errors: 83

| Product | Test Failed | Description |
|---|--|---|
| CS_OFFL_SIR_GOPM_2_20230528T235151_20230529T000331_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 |
| | 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_GOPM_2_20230529T001900_20230529T003317_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_GOPM_2_20230529T003457_20230529T004435_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_GOPM_2_20230529T011149_20230529T011453_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_GOPM_2_20230529T011510_20230529T011859_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_GOPM_2_20230529T012021_20230529T012545_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_GOPM_2_20230529T012719_20230529T014358_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_GOPM_2_20230529T014659_20230529T015546_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_GOPM_2_20230529T015818_20230529T022022_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_GOPM_2_20230529T024900_20230529T025935_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_GOPM_2_20230529T025937_20230529T032249_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_GOPM_2_20230529T032911_20230529T033339_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_GOPM_2_20230529T033743_20230529T040239_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_GOPM_2_20230529T043100_20230529T043334_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_GOPM_2_20230529T043500_20230529T050158_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_GOPM_2_20230529T050827_20230529T051418_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_GOPM_2_20230529T051601_20230529T053117_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_GOPM_2_20230529T054648_20230529T054746_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_GOPM_2_20230529T055326_20230529T055417_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_GOPM_2_20230529T060651_20230529T064046_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_GOPM_2_20230529T064735_20230529T065250_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_GOPM_2_20230529T065541_20230529T065733_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_GOPM_2_20230529T065933_20230529T070235_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_GOPM_2_20230529T072026_20230529T072311_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_GOPM_2_20230529T073013_20230529T073415_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_GOPM_2_20230529T074659_20230529T081954_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_GOPM_2_20230529T082613_20230529T082736_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_GOPM_2_20230529T082744_20230529T083152_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_GOPM_2_20230529T083512_20230529T084700_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 |

| COUNTLEST_COMPPROVIDED TOURS | CS_OFFL_SIR_GOPM_2_20230529T084847_20230529T085605_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_SR_COMPL_2_REDOCETTIONS_ACCIDISTIONS_COMPLICATIONS | CS_OFFL_SIR_GOPM_2_20230529T085653_20230529T090121_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Because Caulty Because of Caulty Because Cau | CS_OFFL_SIR_GOPM_2_20230529T092658_20230529T095907_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Societte Cually Col. OFFL. \$18. COPPL. 2. 2822032911 (0002 20200291 (0002 20200291 (0002 2020 | CS_OFFL_SIR_GOPM_2_20230529T100112_20230529T100636_C001 | | |
| and isablecenter Custings (COS) CRI, CRIPL, SRIR, GODPM, 2, 192000001110002_20200001100112_COS) CRIPL, SRIR, GODPM, 2, 1920000011100102_20200001100112_COS) CRIPL, SRIR, GODPM, 2, 1920000011100102_20200001100112_COS) CRIPL, SRIR, GODPM, 2, 192000001100102_20200001100112_COS) CRIPL, SRIR, GODPM, 2, 192000001100102_20200001100112_COS) CRIPL, SRIR, GODPM, 2, 1920000011100102_20200001100112_COS) CRIPL, SRIR, GODPM, 2, 1920000011100102_20200001100112_COS) CRIPL, SRIR, GODPM, 2, 1920000011100102_202000011100112_COS) CRIPL, SRIR, GODPM, 2, 1920000011100102_202000011100102_COS) CRIPL, SRIR, GODPM, 2, 1920000011100102_202000011100102_COS) CRIPL, SRIR, GODPM, 2, 1920000011100102_202000011100102_COS) CRIPL, SRIR, GODPM, 2, 1920000011100102_2020000011100102_COS) CRIPL, SRIR, GODPM, 2, 1920000011100102_2020000011100102_COS) CRIPL, SRIR, GODPM, 2, 19200000011100102_2020000011100102_COS) CRIPL, SRIR, GODPM, 2, 19200000011100102_2020000011100102_COS) CRIPL, SRIR, GODPM, 2, 19200000011100102_2020000011100102_COS) CRIPL, SRIR, GODPM, 2, 19200000011100102_COS) CRIPL, SRIR, GODPM, 2, 192000000110010000000000000000000000000 | CS_OFFL_SIR_GOPM_2_20230529T100655_20230529T100933_C001 | | |
| CS_OFFL_SRI_COPM_2_2003559710312_2003559711315_C001 CS_OFFL_SRI_COPM_2_2003559710312_20035597113534_C001 CS_OFFL_SRI_COPM_2_2003559710312_20035597113534_C001 CS_OFFL_SRI_COPM_2_2003559710312_20035597113534_C001 CS_OFFL_SRI_COPM_2_20035597110312_20035597113534_C001 CS_OFFL_SRI_COPM_2_20035597110312_20035597113534_C001 CS_OFFL_SRI_COPM_2_20035597110312_20035597113534_C001 CS_OFFL_SRI_COPM_2_20035597110312_20035597113534_C001 CS_OFFL_SRI_COPM_2_20035597110312_20035597113534_C001 CS_OFFL_SRI_COPM_2_20035597113544_20035597113556_C001 CS_OFFL_SRI_COPM_2_20035597113545_20035597113556_C001 CS_OFFL_SRI_COPM_2_20035597113552_20035597113556_C001 CS_OFFL_SRI_COPM_2_20035597113552_20035597113556_C001 CS_OFFL_SRI_COPM_2_20035597113552_20035597113556_C001 CS_OFFL_SRI_COPM_2_20035597113552_20035597113556_C001 CS_OFFL_SRI_COPM_2_20035597113552_20035597113556_C001 CS_OFFL_SRI_COPM_2_20035597113552_20035597113556_C001 CS_OFFL_SRI_COPM_2_20035597113556_C001 CS_OFFL_SRI_COPM_2_20035597113556_C001 CS_OFFL_SRI_COPM_2_20035597113556_C001 CS_OFFL_SRI_COPM_2_20035597113556_C0025113556_C001 CS_OFFL_SRI_COPM_2_20035597113556_C0025113556_C001 CS_OFFL_SRI_COPM_2_20035597113556_C0025113556_C001 CS_OFFL_SRI_COPM_2_20035597113556_C0025113556_C00251 CS_OFFL_SRI_COPM_2_20035597113556_C0025113566_C00251 CS_OFFL_SRI_COPM_2_20035597113 | CS_OFFL_SIR_GOPM_2_20230529T101738_20230529T103009_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Backscater (Dusty) CS_OFFL_SIR_COPM_2_02000099T11910_20200099T11210_00001 CS_OFFL_SIR_COPM_2_02000099T11910_20200099T11210_00001 CS_OFFL_SIR_COPM_2_02000099T11910_20200099T11210_00001 CS_OFFL_SIR_COPM_2_02000099T11910_20200099T112010_00001 CS_OFFL_SIR_COPM_2_02000099T11910_20200099T112010_00001 CS_OFFL_SIR_COPM_2_02000099T11910_20200099T112010_00001 CS_OFFL_SIR_COPM_2_02000099T11910_20200099T112010_00001 CS_OFFL_SIR_COPM_2_02000099T11000_20200099T110001_000000000000000000000000000 | CS_OFFL_SIR_GOPM_2_20230529T103022_20230529T104746_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Sadoscater Quality Sadosc | CS_OFFL_SIR_GOPM_2_20230529T104910_20230529T105117_C001 | | |
| and Backscatter Caulary People Range and Backscatter Caulary Flags have been Affirmeter Range and Backscatter Caulary Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_202305297114548_202305297140516_C001 CS_OFFL_SIR_GOPM_2_202305297114548_202305297120516_C001 CS_OFFL_SIR_GOPM_2_202305297115448_202305297120516_C001 CS_OFFL_SIR_GOPM_2_202305297115456_202305297120516_C001 CS_OFFL_SIR_GOPM_2_202305297115456_202305297120516_C001 CS_OFFL_SIR_GOPM_2_202305297130592_202305297130547_C001 CS_OFFL_SIR_GOPM_2_202305297130592_202305297130547_C001 CS_OFFL_SIR_GOPM_2_202305297130593_202305297130547_C001 CS_OFFL_SIR_GOPM_2_20230529713053_202305297130547_C001 CS_OFFL_SIR_GOPM_2_20230529713053_202305297130546_C001 CS_OFFL_SIR_GOPM_2_20230529713053_202305297130547_C001 CS_OFFL_SIR_GOPM_2_20230529713053_202305297130546_C001 CS_OFFL_SIR_GOPM_2_20230529713053_202305297130546_C001 CS_OFFL_SIR_GOPM_2_20230529713053_20230529713056_C001 CS_OFFL_SIR_GOPM_2_20230529713053_20230529713056_C001 CS_OFFL_SIR_GOPM_2_20230529713053_20230529713056_C001 CS_OFFL_SIR_GOPM_2_20230529713055_20230529714056_C001 CS_OFFL_SIR_GOPM_2_20230529713055_20230529714056_C001 CS_OFFL_SIR_GOPM_2_20230529713055_20230529714546_C001 CS_OFFL_SIR_GOPM_2_20230529713056_20230529714546_C001 CS_OFFL_SIR_GOPM_2_202305297145456_20230529714546_C001 CS_OFFL_SIR_GOPM_2_202305297145456_20230529714546_C001 CS_OFFL_SIR_GOPM_2_20230529714546_20230529714546_C001 CS_OFFL_SIR_GOPM_2_202305297145456_20230529714546_C001 CS_OFFL_SIR_GOPM_2_202305297145456_20230529714546_C001 CS_OFFL_SIR_GOPM_2_202305297145456_20230529714546_C001 CS_OFFL_SIR_GOPM_2_202305297145456_20230529714546_C001 CS_OFFL_SIR_GOPM_2_202305297145456_20230529714546_C001 CS_OFFL_SIR_GOPM_2_202305297145456_20230529714546_C001 CS_OFFL_SIR_GOPM_2_20230529714546_C001 CS_OFFL_SIR_GOPM_2_20230529714546_C001 CS_OFFL_ | CS_OFFL_SIR_GOPM_2_20230529T105120_20230529T105334_C001 | 0 ,, | |
| and flashscated Cuality, COOG Altimeter Range and Backscated Cuality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230529T114055_20230529T114534_C001 OCG_Altimeter Range Guality, COOG Altimeter Range and Backscated Cuality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230529T114055_20230529T125349_C001 CS_OFFL_SIR_GOPM_2_20230529T131448_20230529T125349_C001 CS_OFFL_SIR_GOPM_2_20230529T13145_20230529T123549_C001 CS_OFFL_SIR_GOPM_2_20230529T13145_20230529T132549_C001 CS_OFFL_SIR_GOPM_2_20230529T131552_20230529T132549_C001 CS_OFFL_SIR_GOPM_2_20230529T130302_20230529T132447_C001 CS_OFFL_SIR_GOPM_2_20230529T13052_20230529T132595_C001 CS_OFFL_SIR_GOPM_2_20230529T133454_20230529T132595_C001 CS_OFFL_SIR_GOPM_2_20230529T133454_20230529T132595_C001 CS_OFFL_SIR_GOPM_2_20230529T133454_20230529T132595_C001 CS_OFFL_SIR_GOPM_2_20230529T133454_20230529T132595_C001 CS_OFFL_SIR_GOPM_2_20230529T134544_20230529T132595_C001 CS_OFFL_SIR_GOPM_2_20230529T134544_20230529T132595_C001 CS_OFFL_SIR_GOPM_2_20230529T134544_20230529T132595_C001 CS_OFFL_SIR_GOPM_2_20230529T134544_20230529T132595_C001 CS_OFFL_SIR_GOPM_2_20230529T134545_20230529T13650_C001 CS_OFFL_SIR_GOPM_2_20230529T134545_20230529T13650_C001 CS_OFFL_SIR_GOPM_2_20230529T134545_20230529T13650_C001 CS_OFFL_SIR_GOPM_2_20230529T134545_20230529T140510_C001 CS_OFFL_SIR_GOPM_2_20230529T13455_20230529T140510_C001 CS_OFFL_SIR_GOPM_2_20230529T13455_20230529T140510_C001 CS_OFFL_SIR_GOPM_2_20230529T140505_20230529T140500_C001 CS_OFFL_SIR_GOPM_2_20230529T140505_20230529T140500_C001 CS_OFFL_SIR_GOPM_2_20230529T140505_20230529T140500_C001 CS_OFFL_SIR_GOPM_2_20230529T140505_20230529T140500_C001 CS_OFFL_SIR_GOPM_2_20230529T140505_20230529T140500_C001 CS_OFFL_SIR_GOPM_2_20230529T140505_20230529T140500_C001 CS_OFFL_SIR_GOPM_2_20230529T140505_20230529T140500_C001 CS_OFFL_SIR_GOPM_2_20230529T140505_20230529T140500_C001 CS_OFFL_SIR_GOPM_2_20230529T140505_20230529T140500_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_20230529T140500_C001 | CS_OFFL_SIR_GOPM_2_20230529T110912_20230529T112100_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Backscatter Quality CS_OFFL_SIR_GOPM_2_202305297115448_2023052971120516_C001 CS_OFFL_SIR_GOPM_2_202305297115448_202305297122349_C001 CS_OFFL_SIR_GOPM_2_202305297121136_202305297122349_C001 CS_OFFL_SIR_GOPM_2_202305297130002_202305297131718_C001 CS_OFFL_SIR_GOPM_2_202305297130002_202305297131718_C001 CS_OFFL_SIR_GOPM_2_202305297130002_202305297131718_C001 CS_OFFL_SIR_GOPM_2_202305297130002_202305297131718_C001 CS_OFFL_SIR_GOPM_2_202305297130002_202305297132447_C001 CS_OFFL_SIR_GOPM_2_202305297130002_202305297132447_C001 CS_OFFL_SIR_GOPM_2_202305297132454_202305297132505_C001 CS_OFFL_SIR_GOPM_2_202305297132558_202305297132505_C001 CS_OFFL_SIR_GOPM_2_202305297132558_202305297145405_0_C001 CS_OFFL_SIR_GOPM_2_202305297145253_202305297145405_0_C001 CS_OFFL_SIR_GOPM_2_202305297145253_202305297145405_0_C001 CS_OFFL_SIR_GOPM_2_202305297145253_202305297145405_0_C001 CS_OFFL_SIR_GOPM_2_202305297145253_20230529715004_C001 CS_OFFL_SIR_GOPM_2_202305297145253_20230529715004_C001 CS_OFFL_SIR_GOPM_2_20230529715003_20230529715004_C001 CS_OFFL_SIR_GOPM_2_20230529715003_20230529715004_C001 CS_OFFL_SIR_GOPM_2_20230529715003_20230529715004_C001 CS_OFFL_SIR_GOPM_2_20230529715004_20230529715004_C001 CS_OFFL_SIR_GOPM_2_20230529715004_20230529715004_C001 CS_OFFL_SIR_GOPM_2_20230529715004_20230529715004_C001 CS_OFFL_SIR_GOPM_2_20230529715004_20230529715004_C001 CS_OFFL_SIR_GOPM_2_20230529715004_20230529715004_C001 CS_OFFL_SIR_GOPM_2_20230529715004_202305 | CS_OFFL_SIR_GOPM_2_20230529T112304_20230529T113811_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| and Backscatter Quality CS_OFFL_SIR_GOPM_2_20230529T121136_20230529T122349_C001 CS_OFFL_SIR_GOPM_2_20230529T121136_20230529T122349_C001 CS_OFFL_SIR_GOPM_2_20230529T1313930_20230529T131718_C001 CS_OFFL_SIR_GOPM_2_20230529T1303032_20230529T131718_C001 CS_OFFL_SIR_GOPM_2_20230529T1303032_20230529T132447_C001 CS_OFFL_SIR_GOPM_2_20230529T1303032_20230529T132447_C001 CS_OFFL_SIR_GOPM_2_20230529T1313258_20230529T132447_C001 CS_OFFL_SIR_GOPM_2_20230529T131454_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T132454_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T13258_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T13258_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T13258_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T13258_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T13258_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T13258_20230529T14505_C001 CS_OFFL_SIR_GOPM_2_20230529T13258_20230529T14505_C001 CS_OFFL_SIR_GOPM_2_20230529T13258_20230529T14505_C001 CS_OFFL_SIR_GOPM_2_20230529T13258_20230529T14505_C001 CS_OFFL_SIR_GOPM_2_20230529T13258_20230529T14505_C001 CS_OFFL_SIR_GOPM_2_20230529T13258_20230529T14505_C001 CS_OFFL_SIR_GOPM_2_20230529T13258_20230529T14505_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T145010_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150044_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150044_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150044_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150044_C001 CCCORA Altereter Range Quality, OCOG Altereter Range and Backscatter Quality Flags have been set to rone or more records CCCORA Altereter Range, SSHA, SWH and Backscatter Quality Flags have been set to rone or more records CCCORA Altereter Range, SSHA, SWH and Backscatter Quality Flags have been set to rone or more records CCCORA Altereter Range, SSHA, SWH and Backscatter Quality Flags have been set to rone or more records CCCORA Altereter Range, SSHA, SWH and Backscatter Quality Flags have been set to rone or more records CCCORA Altereter Ran | CS_OFFL_SIR_GOPM_2_20230529T114035_20230529T114534_C001 | | |
| and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been and the OCGA Altimeter Range and Backscatter Quality Flags have been and the OCGA Altimeter Range and Backscatter Quality Flags have been and the OCGA Altimeter Range and Backscatter Quality Flags have been and the OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230529T131953_20230529T132447_C001 CS_OFFL_SIR_GOPM_2_20230529T132454_20230529T132447_C001 CS_OFFL_SIR_GOPM_2_20230529T132454_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T132454_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T132454_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T132532_20230529T140510_C001 CS_OFFL_SIR_GOPM_2_20230529T132452_20230529T140510_C001 CS_OFFL_SIR_GOPM_2_20230529T143253_20230529T14505_C001 CS_OFFL_SIR_GOPM_2_20230529T143253_20230529T14505_C001 CS_OFFL_SIR_GOPM_2_20230529T143253_20230529T14505_C001 CS_OFFL_SIR_GOPM_2_20230529T145438_20230529T14505_C001 CS_OFFL_SIR_GOPM_2_20230529T145438_20230529T14505_C001 CS_OFFL_SIR_GOPM_2_20230529T145438_20230529T14505_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T15044_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T15044_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T15044_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T15044_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T15044_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T15044_C001 CCS_OFFL_SIR_GOPM_2_20230529T15050_20230529T15044_C001 CCS_OFFL_SIR_GOPM_2_20230529T15050_20230529T15044_C001 CCS_OFFL_SIR_GOPM_2_20230529T15050_20230529T15044_C001 CCS_OFFL_SIR_GOPM_2_20230529T15050_20230529T15044_C001 CCS_OFFL_SIR_GOPM_2_20230529T15050_20230529T15044_C001 CCS_OFFL_SIR_GOPM_2_20230529T15050_20230529T15044_C001 CCS_OFFL_SIR_GOPM_2_20230529T15050_20230529T15044_C001 CCCGA Altimeter Range Quality, OCCGA Backscatter Quality Flags have been set for one or more records CCCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCGA | CS_OFFL_SIR_GOPM_2_20230529T115448_20230529T120516_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| and Backscatter Quality. COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230529T131953_20230529T132447_C001 CS_OFFL_SIR_GOPM_2_20230529T132454_20230529T132450_C001 CS_OFFL_SIR_GOPM_2_20230529T132454_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T132528_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T132528_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T132528_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T132528_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T132528_20230529T140510_C001 CS_OFFL_SIR_GOPM_2_20230529T133145_20230529T140510_C001 CS_OFFL_SIR_GOPM_2_20230529T143505_C001 CS_OFFL_SIR_GOPM_2_20230529T143505_C001 CS_OFFL_SIR_GOPM_2_20230529T143505_C001 CS_OFFL_SIR_GOPM_2_20230529T145438_20230529T145619_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T1500404_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T1500404_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T1500404_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T1500404_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T1500404_C001 CS_OFFL_SIR_GOPM_2_20230529T1500426_20230529T1500404_C001 CS_OFFL_SIR_GOPM_2_20230529T1500426_20230529T1500404_C001 CS_OFFL_SIR_GOPM_2_20230529T150045_20230529T1500404_C001 CS_OFFL_SIR_GOPM_2_20230529T150045_20230529T1500404_C001 CS_OFFL_SIR_GOPM_2_20230529T150045_20230529T1500404_C001 CS_OFFL_SIR_GOPM_2_20230529T150045_20230529T1500404_C001 CS_OFFL_SIR_GOPM_2_20230529T150045_20230529T1500404_C001 CS_OFFL_SIR_GOPM_2_20230529T150045_20230529T1500404_C001 CS_OFFL_SIR_GOPM_2_20230529T150045_20230529T1500404_C001 CS_OFFL_SIR_GOPM_2_20230529T150045_20230529T1500404_C001 CS_OFFL_SIR_GOPM_2_20230529T150045_20230529T1500404_C001 COCGA Altimeter Range C | CS_OFFL_SIR_GOPM_2_20230529T121136_20230529T122349_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Backscatter Quality CS_OFFL_SIR_GOPM_2_20230529T132454_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T132528_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T132528_20230529T132505_C001 CS_OFFL_SIR_GOPM_2_20230529T132528_20230529T132506_C001 CS_OFFL_SIR_GOPM_2_20230529T132528_20230529T132506_C001 CS_OFFL_SIR_GOPM_2_20230529T133145_20230529T140510_C001 CS_OFFL_SIR_GOPM_2_20230529T133145_20230529T140510_C001 CS_OFFL_SIR_GOPM_2_20230529T143253_20230529T145405_C001 CS_OFFL_SIR_GOPM_2_20230529T143253_20230529T145405_C001 CS_OFFL_SIR_GOPM_2_20230529T145488_20230529T145405_C001 CS_OFFL_SIR_GOPM_2_20230529T145488_20230529T145405_C001 CS_OFFL_SIR_GOPM_2_20230529T150305_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150305_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150402_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150404_C004 CS_OFFL_SIR_GOPM_2_20230529T150404_C004 CS_OFFL_SIR_GOPM_2_20 | CS_OFFL_SIR_GOPM_2_20230529T130302_20230529T131718_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Backscatter Quality CS_OFFL_SIR_GOPM_2_20230529T132528_20230529T132636_C001 CS_OFFL_SIR_GOPM_2_20230529T132528_20230529T132636_C001 CS_OFFL_SIR_GOPM_2_20230529T133145_20230529T140510_C001 CS_OFFL_SIR_GOPM_2_20230529T133145_20230529T140510_C001 CS_OFFL_SIR_GOPM_2_20230529T143253_20230529T140510_C001 CS_OFFL_SIR_GOPM_2_20230529T143253_20230529T145405_C001 CS_OFFL_SIR_GOPM_2_20230529T145438_20230529T145405_C001 CS_OFFL_SIR_GOPM_2_20230529T145438_20230529T145619_C001 CS_OFFL_SIR_GOPM_2_20230529T145438_20230529T145619_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150044_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150044_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_20230529T150044_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_20230529T150044_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_20230529T150044_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_20230529T150044_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_20230529T150044_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_20230529T150046_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_20230529T150046_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_20230529T150046_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_20230529T150046_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_20230529T150046_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_20230529T150046_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_20230529T150046_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_20230529T150046_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_20230529T150046_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_2020529T150046_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_20230529T150046_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_20230529T150046_C001 CS_OFFL_SIR_GOPM_2_20230529T15005_2020529T150046_C001 CS_OFFL_SIR_GOPM_2_20230529T1600837_20230529T160085_C001 CS_OFFL_SIR_GOPM_2_20230529T1600837_20230529T160085_C001 CS_OFFL_SIR_GOPM_2_20230529T1600837_20230529T160085_C001 CS_OFFL_SIR_GOPM_2_20230529T1600837_20230529T160085_C001 CS_OFFL_SIR_GOPM_2_20230529T1600837_20230529T160085_C001 CS_OFFL_SIR_GOPM_2_20230529T1600837_20230529T160085_C001 CS_OFFL_SIR_GOPM_2_20230529T1600837_20230529 | CS_OFFL_SIR_GOPM_2_20230529T131953_20230529T132447_C001 | | |
| Backscatter Quality CS_OFFL_SIR_GOPM_2_20230529T133145_20230529T140510_C001 CS_OFFL_SIR_GOPM_2_20230529T143253_20230529T145405_C001 CS_OFFL_SIR_GOPM_2_20230529T143253_20230529T145405_C001 CS_OFFL_SIR_GOPM_2_20230529T143253_20230529T145405_C001 CS_OFFL_SIR_GOPM_2_20230529T145438_20230529T145405_C001 CS_OFFL_SIR_GOPM_2_20230529T145438_20230529T145619_C001 CS_OFFL_SIR_GOPM_2_20230529T145438_20230529T145405_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T145404_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T153844_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T150844_C001 CS_OFFL_SIR_GOPM_2_20230529T1506837_20230529T160925_C001 CCC_OCC_Altimeter Range and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150754_C001 CCG Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCG Altimeter Range RSHA, SWH and Backscatter Quality Flags have been set for one or more records CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCG Altimeter Range and Backscatter Quality Flags ha | CS_OFFL_SIR_GOPM_2_20230529T132454_20230529T132505_C001 | | |
| and Backscatter Quality CCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230529T143253_20230529T145405_C001 CS_OFFL_SIR_GOPM_2_20230529T145438_20230529T145405_C001 CS_OFFL_SIR_GOPM_2_20230529T145438_20230529T145405_C001 CS_OFFL_SIR_GOPM_2_20230529T145438_20230529T145405_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T160925_C001 CCOG Altimeter Range Quality, OCOG CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records | CS_OFFL_SIR_GOPM_2_20230529T132528_20230529T132636_C001 | | |
| and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230529T145438_20230529T145619_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15002230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15002230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15002230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15002230529T150844_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150844_C001 CS_OFFL_SIR_GOPM_2_20230529T151050_20230529T153844_C001 CS_OFFL_SIR_GOPM_2_20230529T151050_20230529T160925_C001 CS_OFFL_SIR_GOPM_2_20230529T160837_20230529T160925_C001 Altimeter Range and Backscatter Quality, OCOG Backscatter 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 The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230529T160837_20230529T160925_C001 CS_OFFL_SIR_GOPM_2_20230529T161053_20230529T163829_C001 The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records | CS_OFFL_SIR_GOPM_2_20230529T133145_20230529T140510_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150404_C001 CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T150844_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T150844_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T150844_C001 CS_OFFL_SIR_GOPM_2_20230529T160837_20230529T160925_C001 CS_OFFL_SIR_GOPM_2_20230529T160837_20230529T160925_C001 CS_OFFL_SIR_GOPM_2_20230529T160837_20230529T160825_C001 CS_OFFL_SIR_GOPM_2_20230529T160837_20230529T160825_C00 | CS_OFFL_SIR_GOPM_2_20230529T143253_20230529T145405_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150754_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150754_C001 CS_OFFL_SIR_GOPM_2_20230529T15050_20230529T153844_C001 CS_OFFL_SIR_GOPM_2_20230529T151050_20230529T153844_C001 CS_OFFL_SIR_GOPM_2_20230529T160837_20230529T160925_C001 CS_OFFL_SIR_GOPM_2_20230529T160837_20230529T160925_C001 CS_OFFL_SIR_GOPM_2_20230529T160837_20230529T160925_C001 CS_OFFL_SIR_GOPM_2_20230529T161053_20230529T163629_C001 Backscatter Quality CCGA Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality CCGA Altimeter Range Quality, OCOG Backscatter Quality CCGA Altimeter Range Quality, OCOG Backscatter Quality CCGA Altimeter Range And Backscatter Quality Flags have been set for one or more records CCGA Altimeter Range Quality, OCOG Backscatter Quality CCGA Altimeter Range And Backscatter Quality Flags have been set for one or more records CCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records | CS_OFFL_SIR_GOPM_2_20230529T145438_20230529T145619_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Backscatter Quality 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_GOPM_2_20230529T15050_20230529T160837_20230529T160925_C001 CS_OFFL_SIR_GOPM_2_20230529T160837_20230529T160925_C001 Backscatter Quality Ocean Altimeter Range Quality, OCOG Backscatter 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 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records OCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records OCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records | CS_OFFL_SIR_GOPM_2_20230529T150035_20230529T150404_C001 | | |
| CS_OFFL_SIR_GOPM_2_20230529T151050_20230529T153844_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230529T160837_20230529T160925_C001 CS_OFFL_SIR_GOPM_2_20230529T160837_20230529T160925_C001 And Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality CS_OFFL_SIR_GOPM_2_20230529T161053_20230529T163629_C001 CS_OFFL_SIR_GOPM_2_20230529T161053_20230529T163629_C001 And Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records | CS_OFFL_SIR_GOPM_2_20230529T150426_20230529T150754_C001 | | |
| Backscatter Quality for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been | CS_OFFL_SIR_GOPM_2_20230529T151050_20230529T153844_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_GOPM_2_20230529T161053_20230529T163629_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been | CS_OFFL_SIR_GOPM_2_20230529T160837_20230529T160925_C001 | | |
| | CS_OFFL_SIR_GOPM_2_20230529T161053_20230529T163629_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |

| CS_OFFL_SIR_GOPM_2_20230529T163819_20230529T164319_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_GOPM_2_20230529T164326_20230529T164654_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_GOPM_2_20230529T165034_20230529T172448_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_GOPM_2_20230529T181007_20230529T181526_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_GOPM_2_20230529T181818_20230529T182351_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_GOPM_2_20230529T183009_20230529T190346_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_GOPM_2_20230529T193622_20230529T195426_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_GOPM_2_20230529T195739_20230529T200248_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_GOPM_2_20230529T200858_20230529T204305_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_GOPM_2_20230529T210727_20230529T211153_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_GOPM_2_20230529T211243_20230529T213021_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_GOPM_2_20230529T213954_20230529T214153_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_GOPM_2_20230529T214907_20230529T220343_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_GOPM_2_20230529T220503_20230529T221857_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_GOPM_2_20230529T223804_20230529T225540_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_GOPM_2_20230529T225809_20230529T231111_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_GOPM_2_20230529T231902_20230529T232104_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_GOPM_2_20230529T232208_20230529T232605_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_GOPM_2_20230529T232803_20230529T234323_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_GOPM_2_20230529T234526_20230529T235448_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_GOPN_2_20230529T085605_20230529T085653_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_GOPR_2_20230529T005015_20230529T005047_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_GOPR_2_20230529T010824_20230529T010908_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_GOPR_2_20230529T065733_20230529T065933_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_GOPR_2_20230529T133107_20230529T133145_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 |

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

Number of products with errors:

96

| Pro-door | T4 F-U-4 | Description |
|--|---|---|
| Product CS_OFFL_SIR_GOPN_2_20230529T010238_20230529T010448_C001 | Test Failed OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | Description The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_GOPN_2_20230529T010555_20230529T010824_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_GOPN_2_20230529T011027_20230529T011149_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_GOPN_2_20230529T012545_20230529T012719_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_GOPN_2_20230529T014521_20230529T014659_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_GOPN_2_20230529T024152_20230529T024638_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_GOPN_2_20230529T024738_20230529T024900_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_GOPN_2_20230529T032457_20230529T032624_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_GOPN_2_20230529T033339_20230529T033603_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_GOPN_2_20230529T041559_20230529T041734_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_GOPN_2_20230529T042036_20230529T042143_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_GOPN_2_20230529T050434_20230529T050827_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_GOPN_2_20230529T051418_20230529T051544_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_GOPN_2_20230529T055018_20230529T055142_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_GOPN_2_20230529T055505_20230529T055601_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_GOPN_2_20230529T060351_20230529T060450_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_GOPN_2_20230529T065250_20230529T065401_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_GOPN_2_20230529T072902_20230529T073013_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_GOPN_2_20230529T073507_20230529T073541_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_GOPN_2_20230529T083152_20230529T083315_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_GOPN_2_20230529T114736_20230529T115121_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_GOPN_2_20230529T122748_20230529T123043_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_GOPN_2_20230529T123131_20230529T123342_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_GOPN_2_20230529T131745_20230529T131953_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_GOPN_2_20230529T140814_20230529T141206_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_GOPN_2_20230529T141224_20230529T141332_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_GOPN_2_20230529T145801_20230529T150035_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_GOPN_2_20230529T164654_20230529T164831_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_GOPN_2_20230529T172701_20230529T172806_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_GOPN_2_20230529T191505_20230529T191600_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_GOPN_2_20230529T193437_20230529T193622_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_GOPN_2_20230529T214153_20230529T214726_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_GOPN_2_20230529T222532_20230529T222718_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_GOPN_2_20230529T232605_20230529T232744_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_GOPR_2_20230529T005015_20230529T005047_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_GOPR_2_20230529T005641_20230529T005740_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_GOPR_2_20230529T005829_20230529T005914_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_GOPR_2_20230529T005914_20230529T010238_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_GOPR_2_20230529T010824_20230529T010908_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_GOPR_2_20230529T011454_20230529T011510_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_GOPR_2_20230529T014359_20230529T014521_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_GOPR_2_20230529T022023_20230529T022059_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_GOPR_2_20230529T022149_20230529T022224_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_GOPR_2_20230529T023152_20230529T023312_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_GOPR_2_20230529T023415_20230529T023440_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_GOPR_2_20230529T023817_20230529T024152_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_GOPR_2_20230529T032249_20230529T032457_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_GOPR_2_20230529T041234_20230529T041409_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_GOPR_2_20230529T041734_20230529T042036_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_GOPR_2_20230529T050158_20230529T050434_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_GOPR_2_20230529T054220_20230529T054356_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_GOPR_2_20230529T054510_20230529T054648_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_GOPR_2_20230529T055601_20230529T060351_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_GOPR_2_20230529T064046_20230529T064421_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_GOPR_2_20230529T070235_20230529T070752_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_GOPR_2_20230529T073541_20230529T074659_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_GOPR_2_20230529T081954_20230529T082155_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_GOPR_2_20230529T091050_20230529T091125_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_GOPR_2_20230529T091531_20230529T092322_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_GOPR_2_20230529T105427_20230529T110008_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_GOPR_2_20230529T110057_20230529T110153_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_GOPR_2_20230529T110437_20230529T110635_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_GOPR_2_20230529T120836_20230529T120853_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_GOPR_2_20230529T122350_20230529T122443_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_GOPR_2_20230529T122627_20230529T122748_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_GOPR_2_20230529T123043_20230529T123131_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_GOPR_2_20230529T123342_20230529T123916_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_GOPR_2_20230529T125415_20230529T130302_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_GOPR_2_20230529T141206_20230529T141224_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_GOPR_2_20230529T141332_20230529T141722_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_GOPR_2_20230529T141755_20230529T141917_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_GOPR_2_20230529T145620_20230529T145801_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_GOPR_2_20230529T150938_20230529T151050_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_GOPR_2_20230529T155001_20230529T155746_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_GOPR_2_20230529T155746_20230529T160023_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_GOPR_2_20230529T164831_20230529T165034_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_GOPR_2_20230529T172616_20230529T172701_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_GOPR_2_20230529T172806_20230529T173501_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_GOPR_2_20230529T173638_20230529T174101_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_GOPR_2_20230529T174754_20230529T174916_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_GOPR_2_20230529T175713_20230529T180046_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_GOPR_2_20230529T181526_20230529T181702_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_GOPR_2_20230529T190346_20230529T191343_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_GOPR_2_20230529T191343_20230529T191505_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_GOPR_2_20230529T191600_20230529T191652_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_GOPR_2_20230529T191935_20230529T192236_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_GOPR_2_20230529T192500_20230529T192730_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.

> 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:

5.8 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 over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

Number of products with errors:

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 GOPR and GOPN products over sea ice, but this is to be expected.

Number of products with errors: 14

6. GOP L2 Pole-to-Pole Data Quality Check

6.1 P2P 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:

6.2 P2P Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P 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 that are expected, due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues that may arise from this test.

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.
- > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over 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_GOP_2_20230528T232122_20230529T001058_C002 | 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_GOP_2_20230529T001058_20230529T010036_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_GOP_2_20230529T010036_20230529T015012_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_GOP_2_20230529T015012_20230529T023951_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_GOP_2_20230529T023951_20230529T032927_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_GOP_2_20230529T032927_20230529T041906_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_GOP_2_20230529T041906_20230529T050842_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 height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records |
| CS_OFFL_SIR_GOP_2_20230529T050842_20230529T055821_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_GOP_2_20230529T055821_20230529T064757_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_GOP_2_20230529T064757_20230529T073735_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_GOP_2_20230529T073735_20230529T082711_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_GOP_2_20230529T082711_20230529T091650_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_GOP_2_20230529T091650_20230529T100626_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_GOP_2_20230529T100626_20230529T105604_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_GOP_2_20230529T105604_20230529T114540_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_GOP_2_20230529T114540_20230529T123519_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_GOP_2_20230529T123519_20230529T132455_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_GOP_2_20230529T132455_20230529T141434_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_GOP_2_20230529T141434_20230529T150410_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_GOP_2_20230529T150410_20230529T155349_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_GOP_2_20230529T155349_20230529T164325_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_GOP_2_20230529T164325_20230529T173303_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_GOP_2_20230529T173303_20230529T182239_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_GOP_2_20230529T182239_20230529T191218_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_GOP_2_20230529T191218_20230529T200154_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_GOP_2_20230529T200154_20230529T205132_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 height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records |
| CS_OFFL_SIR_GOP_2_20230529T205132_20230529T214108_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_GOP_2_20230529T214108_20230529T223047_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_GOP_2_20230529T223047_20230529T232023_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_GOP_2_20230529T232023_20230530T001002_C002 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |

6.5 P2P Measurement Confidence Data Check

28

30

P2P Quality Flags (20 Hz)

CryoSat P2P data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

Number of products with errors: 30

P2P Quality Flags (20 Hz PLRM)

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

Number of products with errors: 30

P2P Quality Flags (1 Hz & 1 Hz PLRM)

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

Number of products with errors:

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20 Hz)

Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20 Hz 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 GOPR and GOPN products over sea ice, but this is to be expected.

Number of products with errors:

P2P Retracking Flags 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 GOPR and GOPN products over sea ice, but this is to be expected.

Number of products with errors:

7. GOP 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_GOPM1B | 159 | 159 | 4 | 155 | 0 |
| SIR_GOPR1B | 118 | 118 | 0 | 118 | 0 |
| SIR_GOPN1B | 93 | 93 | 2 | 91 | 0 |
| SIR_GOPM_2 | 159 | 159 | 104 | 55 | 0 |
| SIR_GOPR_2 | 118 | 118 | 37 | 81 | 0 |
| SIR_GOPN_2 | 93 | 93 | 37 | 56 | 0 |
| SIR GOP P2P | 29 | 29 | 0 | 29 | 0 |

7.1 QCC Errors

Number of QCC reports with errors:

0

Total number of occurrences of each error

| Product Type | - | - | - | - | - | - | - | - | - | - | - |
|--------------|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| Product Type | - | - | - | - | - | - | - | - | - | - | - |
| 0 | | | | | | | | | | | |

| Test Description Key: | | |
|------------------------------|-----------|---------|
| Abbreviation | Test name | Details |

7.2 QCC Warnings

Number of QCC reports with warnings

2109

Total number of occurrences of each warning

| Product Type | BCSHNCDF | MVIOEPFDNCDF | MVIOEPNCDF | MVIONCDF | RBSZOPOEPFDNCDF | RBSZOPOEPFDPLRMNCD | RBSZOPOEPNCDF |
|--------------|----------|--------------|------------|----------|-----------------|--------------------|---------------|
| SIR_GOPM1B | 155 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_GOPM_2 | 0 | 44 | 44 | 1 | 41 | 0 | 32 |
| SIR_GOPN1B | 90 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_GOPN_2 | 0 | 9 | 28 | 4 | 20 | 22 | 14 |
| SIR_GOPR1B | 114 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_GOPR_2 | 0 | 34 | 52 | 0 | 33 | 28 | 12 |

| Product Type | RNELPOTONCDF | RPEPOPFDLRMNCDF | RPEPOPFDPLRMSARNCE | RPEPOPFDPLRMSINNCDI | RPEPOPFDSARNCDF | RPEPOPFDSINNCDF | RPEPOPLRMNCDF |
|--------------|--------------|-----------------|--------------------|---------------------|-----------------|-----------------|---------------|
| SIR_GOPM1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_GOPM_2 | 0 | 40 | 0 | 0 | 0 | 0 | 30 |
| SIR_GOPN1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_GOPN_2 | 0 | 0 | 0 | 18 | 0 | 27 | 0 |
| SIR_GOPR1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR GOPR 2 | 2 | 0 | 48 | 0 | 54 | 0 | 0 |

| Product Type | RPEPOPSARNCDF | RPEPOPSINNCDF | RSSBCONCDF | RSSHAOFDNCDF | RSSHAOFDPLRMNCDF | RSSHAONCDF | RSWHOEPFDNCDF |
|--------------|---------------|---------------|------------|--------------|------------------|------------|---------------|
| SIR_GOPM1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_GOPM_2 | 0 | 0 | 7 | 29 | 0 | 5 | 36 |
| SIR_GOPN1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_GOPN_2 | 0 | 25 | 23 | 41 | 49 | 22 | 22 |
| SIR_GOPR1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR GOPR 2 | 48 | 0 | 1 | 60 | 36 | 5 | 37 |

| Product Type | RSWHOEPFDPLRMNCDF | RSWHOEPNCDF | SPHRTASCNSNCDF | SOOHHIFHD | SCSTODHRNCDF | SCSTODNCDF | • |
|--------------|-------------------|-------------|----------------|-----------|--------------|------------|---|
| SIR_GOPM1B | 0 | 0 | 1 | 0 | 0 | 0 | |
| SIR_GOPM_2 | 0 | 1 | 1 | 0 | 0 | 0 | |
| SIR_GOPN1B | 0 | 0 | 0 | 0 | 42 | 2 | |
| SIR_GOPN_2 | 25 | 13 | 0 | 0 | 0 | 0 | |
| SIR_GOPR1B | 0 | 0 | 0 | 0 | 118 | 9 | |
| SIR_GOPR_2 | 50 | 1 | 0 | 3 | 0 | 0 | |

| Product Type | IOHHMOOR | MVIOEPFDNCDF | MVIOEPNCDF | MVIONCDF | RBSZOPOEPFDNCDF | RBSZOPOEPFDPLRMNCD | RBSZOPOEPNCDF |
|--------------|----------|--------------|------------|----------|-----------------|--------------------|---------------|

| Product Type RN | NELPOTONCDF F | RPEPOPFDPLRMSINNCDI | RPEPOPFDSINNCDF | RPEPOPSINNCDF | RSSBCONCDF | RSSHAOFDNCDF | RSSHAOFDPLRMNCDF |
|-----------------|---------------|---------------------|-----------------|---------------|------------|--------------|------------------|
| SIR_GOP_2_ 2 | Ī | 16 | 29 | 24 | 19 | 29 | 17 |

| Product Type | RSSHAONCDF | RSWHOEPFDNCDF | RSWHOEPFDPLRMNCDF | RSWHOEPNCDF | SPHLPQWNCDF | - | • |
|--------------|------------|---------------|-------------------|-------------|-------------|---|---|
| SIR GOP 2 | 23 | 29 | 17 | 13 | 29 | | |

| 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 | | | | | |
| 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 | | | | | |
| SPHRTASCNSNCDF | SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF | Rel_Time_ASC_Node_Stop mismatch | | | | | |
| SOOHHIFHD | SameOrOneHigher1HzIndexFor20HzData | The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample | | | | | |
| SCSTODHRNCDF | SequenceCounterStepTODHRNetCDF | The sequence counter should be modulo 4 higher with regard to the previous sequence counter | | | | | |
| SCSTODNCDF | SequenceCounterStepTODNetCDF | The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter | | | | | |

7.3 Missing QCC Reports

Number of products with missing QCC reports:

L1B and L2 Product name

P2P Product name
CS_OFFL_SIR_GOP_2_20230529T232023_20230530T001002_C002