

QA4EO Daily Report for GOP data:

<u>10/05/2023</u>

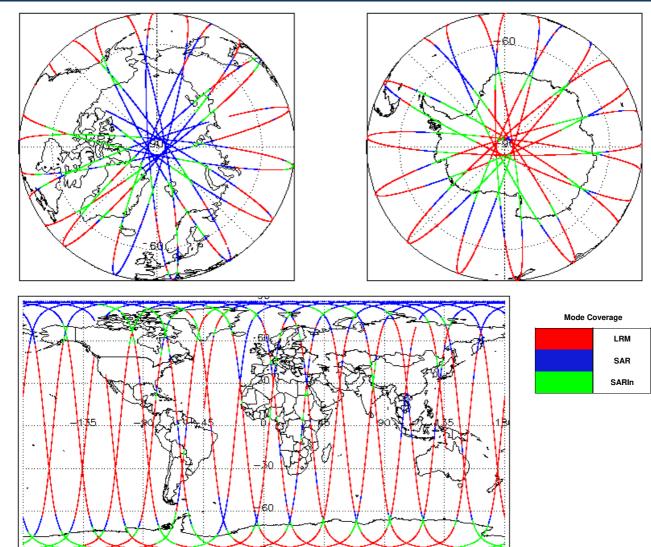
IDEAS-QA4E0

| Demost Dreduction. | 09-Jun-2023 | Check | L1 & L2 | P2P |
|--|----------------------------------|--|----------------------|-------------------------|
| Report Production: | 09-Jun-2023 | Server check: science-pds.cryosat.esa.int | Nominal | Nominal |
| | | Server check: calval-pds.cryosat.esa.int | Nominal | Nominal |
| Processor Used: | CryoSat Ocean Processor | Product Software Check | Nominal | Nominal |
| Data Used: | Geophysical Ocean Products (GOP) | Product Format Check | Nominal | Nominal |
| Data Useu: | L1B, L2 & P2P Science Data | Product Header Analysis | Nominal | Nominal |
| · | | Auxiliary Data File Usage Check | Nominal | Nominal |
| We would | love to hear from you! | Auxiliary Correction Error Check | See Section 5.4 | See Section 6.4 |
| Please let us know your feedback about these daily | | Measurement Confidence Data Check | See Section 4.5, 4.6 | Nominal |
| quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com | | 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 |

1. Overview

| | Mission / Instrument News | | | | |
|-------------|---------------------------|-----------------|--|--|--|
| 09-May-2023 | | | | | |
| 10-May-2023 | | None | | | |
| 11-May-2023 | | Nothing planned | | | |





3. Instrument Configuration

SIRAL instrument(s) in use:

SIRAL - A

0

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

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 SP | H in order to identify any inconsistencies a | nd/or errors raised by the ground-segment processing chain. | | | |
| L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B GC OSARIn chains. A modification is required in the next release. | OPR and GOPN products because the I1b_ | processing_quality_hr field is not correctly configured in the OSAR and | | | |
| Number of products with errors: 0 | | | | | |
| | | | | | |
| 4.3 L1B Auxilary Data File Usage Check | | | | | |
| Each product is checked for missing Data Set Descriptors with respect to a pre-det | termined baseline and also to check the va | lidity of Auxiliary Data Files is correct. | | | |
| Number of products with errors: 0 | | | | | |
| 4.4 L1B Auxiliary Correction Error Check | | | | | |
| | a hit value of this flag indicates any system | | | | |
| CryoSat L1B data includes a correction error flag for each measurement record. Th Number of products with errors: 0 | le bit value of this hay indicates any proble | ns wien set. | | | |
| | | | | | |
| 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 a | 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: 0 | | | | | |
| | | | | | |
| 4.6 L1B Waveform Group Data Check | | | | | |
| CryoSat L1B data includes a waveform data flag for each measurement record. The | e bit value of this flag indicates any probler | ns 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: 33 | | | | | |
| Product | Test Failed | Description | | | |
| CS_OFFL_SIR_GOPM1B_20230510T071445_20230510T074827_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_GOPM1B_20230510T121919_20230510T122848_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_GOPM1B_20230510T171751_20230510T174421_C001 CS_OFFL_SIR_GOPM1B_20230510T221513_20230510T223807_C001 | Loss of Echo Loss of Echo | The tracking echo is missing for one or more records The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_GOPM1B_20230510T225648_20230510T230832_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_GOPN1B_20230510T011037_20230510T011650_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_GOPN1B_20230510T021023_20230510T021234_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_GOPN1B_20230510T034941_20230510T035426_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_GOPN1B_20230510T062159_20230510T062322_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_GOPN1B_20230510T070031_20230510T070107_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_GOPN1B_20230510T070249_20230510T070341_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_GOPN1B_20230510T071322_20230510T071445_C001 CS_OFFL_SIR_GOPN1B_20230510T092922_20230510T093344_C001 | Loss of Echo Loss of Echo | The tracking echo is missing for one or more records The tracking echo is missing for one or more records | | | |
| CS_OFFL_SIR_GOPN1B_20230510T101856_20230510T102139_C001 | Loss of Echo | The tracking echo is missing for one or more records | | | |
| | | | | | |
| 5. GOP | Level 2 Data Quality Che | eck | | | |
| 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 SP | H in order to identify any inconsistencies a | nd/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 | | | | | |
| 5.4.1.0. Auxiliant Connection Entrop Check | | | | | |
| 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 pro | ducts over sea ice, but this is to be expected | əd. | | | |
| > Altimetric Wind Speed Error: The error value is currently set for products over | land and sea ice, but this is to be expected | i. | | | |
| Number of products with errors: 66 | | | | | |
| Product | Test Failed | Description | | | |
| CS_OFFL_SIR_GOPM_2_20230509T235513_20230510T001313_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_20230510T034056_20230510T034147_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_20230510T065138_20230510T065239_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_20230510T002359_20230510T002536_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_20230510T011037_20230510T011650_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_20230510T020536_20230510T020603_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_20230510T021023_20230510T021234_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_20230510T021329_20230510T021556_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_20230510T025301_20230510T025439_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_20230510T034430_20230510T034602_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_20230510T034941_20230510T035426_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_20230510T044119_20230510T044353_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_20230510T052342_20230510T052516_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_20230510T052819_20230510T052927_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_20230510T061220_20230510T061611_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_20230510T071322_20230510T071445_C001 | Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT) | There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_GOPN_2_20230510T075203_20230510T075517_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_20230510T080031_20230510T080146_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_20230510T084203_20230510T084325_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_20230510T093937_20230510T094052_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_20230510T101856_20230510T102139_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_20230510T102147_20230510T102313_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_20230510T120118_20230510T120221_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_20230510T125515_20230510T125905_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_20230510T133546_20230510T133857_C001 | Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide | There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records |
| CS_OFFL_SIR_GOPN_2_20230510T133912_20230510T134122_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_20230510T143422_20230510T143800_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_20230510T151554_20230510T151945_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_20230510T152008_20230510T152115_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_20230510T152455_20230510T152507_C001 | Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) | There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_GOPN_2_20230510T161535_20230510T161717_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_20230510T193133_20230510T193448_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_20230510T202249_20230510T202344_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_20230510T210412_20230510T210526_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_20230510T211031_20230510T211347_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_20230510T224506_20230510T224743_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_20230510T224936_20230510T225522_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_20230510T233319_20230510T233500_C001 | 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_20230510T234024_20230510T234145_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_GOPR_2_20230510T002536_20230510T002926_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_20230510T002926_20230510T003049_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_20230510T020417_20230510T020431_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_20230510T020604_20230510T021022_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_20230510T034147_20230510T034156_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_20230510T034602_20230510T034941_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_20230510T052516_20230510T052818_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_20230510T052927_20230510T053017_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_20230510T065239_20230510T065353_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_20230510T070341_20230510T071130_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_20230510T084325_20230510T085213_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_20230510T102313_20230510T103015_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_20230510T120221_20230510T120746_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_20230510T133105_20230510T133208_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_20230510T134123_20230510T134701_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_20230510T140159_20230510T140846_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (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: 0

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

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

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| Product | Test Failed | Description |
|---|--|---|
| CS_OFFL_SIR_GOPM_2_20230509T235513_20230510T001313_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 |
| | | The Ocean Altimeter Range, SSHA, SWH 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_20230510T001803_20230510T002004_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_20230510T003208_20230510T003549_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_20230510T003720_20230510T005315_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_20230510T005557_20230510T005716_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_20230510T010905_20230510T011037_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_20230510T011947_20230510T012414_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_20230510T012645_20230510T014100_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_20230510T014240_20230510T014523_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_20230510T022234_20230510T022522_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_20230510T022806_20230510T025144_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_20230510T025439_20230510T030326_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_20230510T030604_20230510T032941_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_20230510T035641_20230510T043034_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_20230510T043656_20230510T044119_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_20230510T044523_20230510T050944_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_20230510T053815_20230510T060948_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_20230510T061611_20230510T062158_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_20230510T062339_20230510T062944_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_20230510T063218_20230510T063906_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_20230510T063909_20230510T064149_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_20230510T070003_20230510T070031_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_20230510T071445_20230510T074827_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_20230510T075517_20230510T080030_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_20230510T080325_20230510T080516_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_20230510T080717_20230510T081411_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_20230510T081711_20230510T082135_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_20230510T083749_20230510T083956_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 |
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| CS_OFFL_SIR_GOPM_2_20230510T084002_20230510T084051_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_20230510T085437_20230510T092736_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_20230510T093344_20230510T093518_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_20230510T093525_20230510T093935_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_20230510T094304_20230510T100348_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_GOPM_2_20230510T100439_20230510T100903_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_20230510T101254_20230510T101736_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_20230510T101817_20230510T101821_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_20230510T103500_20230510T103854_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_20230510T104033_20230510T110655_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_20230510T110853_20230510T111418_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_20230510T112522_20230510T113751_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_20230510T113838_20230510T115538_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_20230510T121919_20230510T122848_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_20230510T123051_20230510T124549_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_20230510T124820_20230510T125316_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_20230510T130214_20230510T131438_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_20230510T131919_20230510T133104_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_20230510T141014_20230510T142501_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_20230510T142748_20230510T143231_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_20230510T143929_20230510T150551_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_20230510T153946_20230510T160038_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_20230510T160128_20230510T160405_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_20230510T160808_20230510T161145_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_20230510T161838_20230510T164609_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_20230510T171751_20230510T174421_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 |
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| CS_OFFL_SIR_GOPM_2_20230510T174605_20230510T175100_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
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| CS_OFFL_SIR_GOPM_2_20230510T175108_20230510T175436_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_20230510T175821_20230510T183244_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_20230510T184548_20230510T184643_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_20230510T191752_20230510T191915_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_20230510T192114_20230510T192306_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_20230510T192604_20230510T193132_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_20230510T193754_20230510T201109_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_20230510T202428_20230510T202606_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_20230510T204347_20230510T210203_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_20230510T210526_20230510T211030_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_20230510T211635_20230510T215002_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_20230510T221513_20230510T223807_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_20230510T225648_20230510T230832_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_20230510T230953_20230510T231116_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_20230510T231134_20230510T231154_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_20230510T231156_20230510T232818_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_20230510T234602_20230511T000255_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_20230510T002359_20230510T002536_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_20230510T033026_20230510T033306_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_GOPN_2_20230510T043545_20230510T043656_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_GOPN_2_20230510T125348_20230510T125355_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_GOPN_2_20230510T143303_20230510T143309_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_GOPN_2_20230510T202607_20230510T202625_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_20230510T065239_20230510T065353_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_20230510T080517_20230510T080716_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 |
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L2 Quality Flags (20 Hz PLRM)

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

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

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|--|---|---|---|
| CS_0FRL_SIR_0OPU_2_022000107011002_02200010701102_02000 and the blockmetter Custly File, ML, OCCO, Minere Rang, Custle, ML, Steven Rang, S | CS_OFFL_SIR_GOPN_2_20230510T001539_20230510T001802_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| COUCH_SIN_COUNC_200206501020102 COUCH SUBJECT COUCH SUBJECT COUCH SUBJECT COUCH SUBJECT The COUCH Alternate Range, SSHA, SWH and Badescatter County File CS_COFFSIR_COPAL_2_0220550107201202_022051017021132_020001 COUCH SUBJECT The COUCH Alternate Range, SSHA, SWH and Badescatter County File CS_COFFSIR_COPAL_2_022055107032056 COUCH SUBJECT The COUCH Alternate Range County File CS_COFFSIR_COPAL_2_022055107032056 COUCH SUBJECT The COUCH Range and Badescatter County File CS_COFFSIR_COPAL_2_022055107032056 COUCH SUBJECT The COUCH Range and Subscatter County File CS_COFFSIR_COPAL_2_02205107032056 COUCH SUBJECT The COUCH Range and Subscatter County File CS_COFFSIR_COPAL_2_0220510703206 COUCH SUBJECT The COUCH Range and Subscatter County File CS_COFFSIR_COPAL_2_0220510703206 COUCH SUBJECT The COUCH Range and Subscatter County File CS_COFFSIR_COPAL_2_0220510703206 COUCH SUBJECT The COUCH Range and Subscatter County File CS_COFFSIR_COPAL_2_02205107032060 COUCH SUBJECT The COUCH Range and Subscatter County File CS_COFFSIR_COPAL_2_02205107054041 COUCH SUBJECT The COUCH Range and Subscatter County File CS_COFFSIR_COPAL_2_02205107054041 COUCH Range and Subscat | CS_OFFL_SIR_GOPN_2_20230510T011037_20230510T011650_C001 | and Backscatter Quality PLRM, 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 |
| C3_OFR_SIR_GOPL_2_20230510T02159_20230510T02159_C001 mmt Biotecaster Cuality FLIM The COOC Barge and Backaster Cuality FLIM C3_OFR_SIR_GOPL_2_20230510T02159_20230510T02159_C001 COCC Alterest Flamp Cuality FLIM The COCC Barge and Backaster Cuality Flags have been set for on more records C3_OFR_SIR_GOPL_2_20230510T02159_20230510T02159_C001 COCC Alterest Flamp Cuality FLIM The COCC Barge and Backaster Cuality Flags have been set for on more records C3_OFR_SIR_GOPL_2_20230510T02550_D001 COCC Alterest Flamp Cuality FLIM The COCC Barge and Backaster Cuality Flags have been set for on more records C3_OFR_SIR_GOPL_2_20230510T02550_D001 COCC Alterest Flamp Cuality FLIM The COCC Barge and Backaster Cuality Flags have been set for on more records C3_OFR_SIR_GOPL_2_20230510T02550_D001 COCC Alterest Flamp Cuality FLIM The COCC Barge and Backaster Cuality Flags have been set for on more records C3_OFR_SIR_GOPL_2_20230510T02550_D001 COCC Alterest Flamp Cuality FLIM The COCC Barge and Backaster Cuality Flags have been set for on more records C3_OFR_SIR_GOPL_2_20230510T045510_20230510T045520_D00200 COCC Alterest Flamp Cuality FLIM The COCC Barge and Backaster Cuality Flags have been set for on more records C3_OFR_SIR_GOPL_2_20230510T045200_20230510T045500_20200 COCCA Alterest Flamp Cuality FLIM The COCC Barge and Backaster Cuality Flags have been set for on more records C3_OFR_SIR_GOPL_2 | CS_OFFL_SIR_GOPN_2_20230510T021023_20230510T021234_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| Start Contraction Coold Backscatter Quality Fills The OCOOL Backscatter Quality Fills CS_OFFL_SIR_GOPN_2_002805107035402_202305107035406_CO01 COOLD Attrive Frage Quality Fills The OCOOL Brage and Backscatter Quality Fills CS_OFFL_SIR_GOPN_2_002805107035402_202305107035406_CO01 COOLD Attrive Frage Quality Fills The OCOOL Brage and Backscatter Quality Fills CS_OFFL_SIR_GOPN_2_002805107035402_202305107035406_CO01 COOLD Attrive Frage Quality Fills The OCOOL Brage and Backscatter Quality Fills CS_OFFL_SIR_OOPN_2_002305107035402_002107035406_CO01 COOLD Attrive Frage Quality Fills The OCOOL Brage and Backscatter Quality Fills CS_OFFL_SIR_OOPN_2_00230510704411_20230510703406_CO01 COOLD Attrive Frage Quality Fills The OCOOL Brage and Backscatter Quality Fills CS_OFFL_SIR_GOPN_2_00230510704412_20230510704430_CO01 COOLD Attrive Frage And Educater Quality Fills The OCOOL Brage and Backscatter Quality Fills CS_OFFL_SIR_GOPN_2_00230510704413_20230510704430_CO01 COOLD Attrive Frage And Educater Quality Fills The OCOOL Brage and Backscatter Quality Fills CS_OFFL_SIR_GOPN_2_002305107044718_00230510704430_CO01 COOLD Attrive Frage Quality Fills The OCOOL Brage and Backscatter Quality Fills CS_OFFL_SIR_GOPN_2_00230510706472_00230510705452_CO01 COOLD Attrive Frage Quality Fills The OCOOLD Brage and Backscatter Quality Fills | CS_OFFL_SIR_GOPN_2_20230510T021329_20230510T021556_C001 | and Backscatter Quality PLRM, 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 |
| Corp. Sint. Soft 2, Sint. Soft 2, 202305107033402, 202305107033402, 202305107033402, 202305107033402, 202305107033402, 202305107033402, 202305107033402, 202305107033402, 202305107033402, 202305107033402, 202305107035402, 202305107045400, CODI COCOO Range and Backscatter Cuality Flags have been set for on more records. CS, OFFL, SIR, GOPN 2, 20230510704203, 202305107043400, CODI COCOO Allineer Parage Cuality PLRM, COCO The COCOO Range and Backscatter Cuality Flags have been set for on more records. CS, OFFL, SIR, GOPN 2, 20230510704203, 202305107043400, CODI COCOO Allineer Parage Cuality PLRM, COCO The COCOO Range and Backscatter Cuality Flags have been set for on more records. CS, OFFL, SIR, GOPN 2, 20230510704203, 202305107044303, CODI COCOO Allineer Parage Cuality PLRM, COCO The COCOO Range and Backscatter Cuality Flags have been set for on more records. CS, OFFL, SIR, GOPN 2, 202305107041719, 202305107044353, CODI COCOO Allineer Parage Cuality PLRM, The COCOO Range and Backscatter Cuality Flags have been set for on more records. CS, OFFL, SIR, GOPN 2, 202305107064702, 2002 COCOO Allineer Parage Cuality PLRM, The COCOO Range and Backscatter Cuality Flags have been set for on more records. CS, OFFL, SIR, GOPN 2, 202305107064702, 202305107064822, CODI COCOO Allineer Parage Cuality PLRM, The COCOO Range and Backscatter Cuality Flags have been set for on more records. CS, OFFL, SIR, GOPN 2, 202305107077130, 2023051070770341, CODI COCOO Allineer Parage Cuality PLRM, The COCOO Range and Backscatter Cuality Flags have been set for on more records. | CS_OFFL_SIR_GOPN_2_20230510T021810_20230510T021932_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one o more records |
| QCPTL_SIP_QOPL_2_A02305101035402_02305101035428_0001 OCOG Backscatter Quality The Ocean Attinueter Range, SSHA, SWH and Backscatter Quality Flags have been set for on rore records CS_OFFL_SIP_GOPN_2_202305101034941_202305101035428_0001 OCOG Backscatter Quality The Ocean Attinueter Range, SSHA, SWH and Backscatter Quality Flags have been set for on rore records CS_OFFL_SIP_GOPN_2_202305101034409_0001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for on rore records CS_OFFL_SIP_GOPN_2_20230510104119_20230510104439_0001 OCOG Attinueter Range, SSHA, SWH and Backscatter Quality Flags have been set for on rore records The OCOG Range and Backscatter Quality Flags have been set for on rore records CS_OFFL_SIP_GOPN_2_20230510104119_20230510104439_0001 OCOG Attinueter Range, Callity PLIM, The OCOG Range and Backscatter Quality Flags have been set for on rore records CS_OFFL_SIP_GOPN_2_20230510104119_20230510104483_0001 OCOG Attinueter Range Quality PLIM, The OCOG Range and Backscatter Quality Flags have been set for on rore records CS_OFFL_SIP_GOPN_2_202305101064122_202305101064822_0001 OCOG Attinueter Range Quality PLIM, The OCOG Range and Backscatter Quality Flags have been set for on rore records CS_OFFL_SIP_GOPN_2_2023051010701248_2023051010701248_C001 OCOG Attinueter Range Quality PLIM, The OCOG Range and Backscatter Quality Flags have been set for on rore records CS_OFFL_SIP_GOPN_2_202305101070128_0001 OCOG Attinueter Range Quality PLIM, The OCOG Range and Backscatter Quality Flags have been set for on rore records CS_OFFL_SIR_GOPN_2_20230510107012 | CS_OFFL_SIR_GOPN_2_20230510T033026_20230510T033306_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one o more records |
| CS_OFFL_SIR_GOPN_2_20230510T034941_20230510T035426_0001 Ind Backscatter Quality PLBM_OCCG Ind Backscatter Quality PLBM_OCCG CS_OFFL_SIR_GOPN_2_20230510T043239_20230510T043409_0001 COCCG Altimeter Range Quality PLBM_OCCG The OCCGG Range and Backscatter Quality Flags have been set for on ore records. CS_OFFL_SIR_GOPN_2_20230510T044119_20230510T044383_0001 Cocca Altimeter Range Quality PLBM_OCCG The OCCGG Range and Backscatter Quality Flags have been set for on ore records. CS_OFFL_SIR_GOPN_2_20230510T044119_20230510T044383_0001 Cocca Altimeter Range Quality PLBM_OCCG The OCCGG Range and Backscatter Quality Flags have been set for on more records. CS_OFFL_SIR_GOPN_2_20230510T061220_20230510T061611_0001 COCGA Range Quality PLBM_INC The OCCGG Range and Backscatter Quality Flags have been set for on more records. CS_OFFL_SIR_GOPN_2_20230510T068802_20230510T068802_20230510T069825_0001 OCCGA Range Quality PLBM_INC The OCCGG Range and Backscatter Quality Flags have been set for on more records. CS_OFFL_SIR_GOPN_2_20230510T078249_20230510T079241_0001 OCCGA Range Quality PLBM_INC The OCCGG Range and Backscatter Quality Flags have been set for on more records. CS_OFFL_SIR_GOPN_2_20230510T0750341_0001 OCCGA Range Quality PLBM_INC The OCCGG Range and Backscatter Quality Flags have been set for on more records. CS_OFFL_SIR_GOPN_2_20230510T075030_20230510T075034_0001 OCCGA Range Caulity PLBM_INC The OCCGG Range and Backscatter Quality Flags have been set for on mor | CS_OFFL_SIR_GOPN_2_20230510T033402_20230510T033529_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one o more records |
| OCH_SIL_SIL_COLPUT_ZAUSJID1014232_2003010104232_2003010104303_0001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPN_2_202305101044119_202305101044353_0001 Cocean Attineter Range ASHA, SVH and Backscatter Quality Flags have be set for on or more records CS_OFFL_SIR_GOPN_2_202305101061220_202305101061611_0001 OCOG Backscatter Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_202305101064716_202305101064822_0001 OCOG Attimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_202305101064716_202305101064822_0001 OCOG Attimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_202305101064716_202305101064822_0001 OCOG Attimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_202305101070248_202305101070541_0001 OCOG Attimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_202305101070248_2023051010705317_C001 OCOG Attimeter Range SHA, SVH and Backscatter Quality Flags have been set for on more records The OCOG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_2023051010705203_2023051010705317_C001 Attimeter Range SHA, SVH and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_2023051010708329_2023051010708322_0001 OCOG Attimeter R | CS_OFFL_SIR_GOPN_2_20230510T034941_20230510T035426_C001 | and Backscatter Quality PLRM, 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_20230510T044119_20230510T044353_C001 and Backscatter Quality PLRM, QCCG Attracter Range and Backscatter Quality PLRM, DCCG ind backscatter Quality PLRM, DCCG CS_OFFL_SIR_GOPN_2_20230510T06120_20230510T061611_C001 OCOG Altimeter Range Quality PLRM, DCCG Altimeter Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_20230510T064716_20230510T064822_C001 OCOG Altimeter Range Quality PLRM, DCCG Altimeter Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_20230510T064716_20230510T064822_C001 OCOG Altimeter Range Quality PLRM, DCCG Altimeter Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_20230510T075203_02230510T07517_C001 OCOG Altimeter Range Quality PLRM, DCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_20230510T0768031_20230510T068146_C001 OCOG Altimeter Range ASHA, SWH and Backscatter Quality Flags have been set for on more records | CS_OFFL_SIR_GOPN_2_20230510T043239_20230510T043409_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one o more records |
| OS_OFFL_SIR_GOPN_2_202305101061240_202305101061611_C001 OCCG Backscatter Quality more records CS_OFFL_SIR_GOPN_2_202305101064716_202305101064822_C001 OCCG Altimeter Range Quality The OCCG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_202305101065802_202305101065925_C001 OCCG Altimeter Range Quality The OCCG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_202305101070249_202305101070341_C001 OCCG Altimeter Range Quality The OCCG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_2023051010771338_C001 OCCG Altimeter Range Quality The OCCG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_2023051010775203_2023051010775217_C001 OCCG Rankscatter Quality The OCCG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_202305101075203_202305101075517_C001 OCCG Rankscatter Quality PLM. OCCG Rankscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_20230510108031_202205101080134_C001 OCCG Altimeter Range Quality PLM. OCCG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_202305101080323_20205101080322_C001 OCCG Altimeter Range Quality PLM. OCCG Range and Backscatter Quality Flags have be set for on more records CS_OFFL_SIR_GOPN_2_202305101084203_02205101083322_C001 <t< td=""><td>CS_OFFL_SIR_GOPN_2_20230510T044119_20230510T044353_C001</td><td>and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality</td><td>The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records</td></t<> | CS_OFFL_SIR_GOPN_2_20230510T044119_20230510T044353_C001 | and Backscatter Quality PLRM, 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_20230510106476_202305101065925_C001 OCOG Backscatter Quality Inore records CS_OFFL_SIR_GOPN_2_202305101065902_202305101065925_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_202305101070249_202305101070341_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_2023051010775203_2023051010775203_2023051010775203_2023051010775203_202305101075517_C001 Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_2023051010705203_20230510107075217_C001 Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_202305101080031_202305101080146_C001 Qlean Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Range and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPN_2_202305101083232_C001 QCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPN_2_202305101083232_C001 QCOG Backscatter Quality The OCOG Range and Backscatter Quality The OCOG Range and Backscatter Quality CS_OFFL_SIR_GOPN_2_202305101084325_C001 | CS_OFFL_SIR_GOPN_2_20230510T061220_20230510T061611_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one o more records |
| CS_OFFL_SIR_GOPN_2_20230510T068302_20230510T070341_C001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_20230510T071130_20230510T0711238_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_20230510T075203_20230510T075517_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range, and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality FLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality FLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality FLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality FLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG | CS_OFFL_SIR_GOPN_2_20230510T064716_20230510T064822_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one o more records |
| CS_OFFL_SIR_GOPN_2_202305101070249_202305101070341_C001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_2023051010775203_2023051010775207_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_202305101075203_202305101075517_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_202305101080031_202305101080146_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_2023051010803322_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_202305101083239_202305101083322_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_202305101084203_202305101084325_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_202305101093344_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_202305101093937_202305101094052_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPN_2_202305101093937_202305101094052_C001 Method Rackscatter Quality PLRM, QCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records <td>CS_OFFL_SIR_GOPN_2_20230510T065802_20230510T065925_C001</td> <td></td> <td>The OCOG Range and Backscatter Quality Flags have been set for one o more records</td> | CS_OFFL_SIR_GOPN_2_20230510T065802_20230510T065925_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one o more records |
| CS_OFFL_SIR_GOPN_2_2023051010/1130_2023051010/1238_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPN_2_20230510T075503_20230510T075517_C001 Decean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20230510T083239_20230510T084325_C001 OCean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and | CS_OFFL_SIR_GOPN_2_20230510T070249_20230510T070341_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one o more records |
| CS_OFFL_SIR_GOPN_2_20230510T075203_20230510T075517_C001 and Backscatter Quality PLRM, OCOG Atimeter Range and Backscatter Quality PLRM The Ocean Atimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPN_2_20230510T080031_20230510T080146_C001 Ocean Atimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Atimeter Range and Backscatter Quality Flags have be set for one or more records The Ocean Atimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPN_2_20230510T08031_20230510T08031_20230510T080322_C001 OCOG Atimeter Range Quality PLRM, OCOG Atimeter Range, SSHA, SWH The OCOG Range and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPN_2_20230510T084203_20230510T084325_C001 Ocean Atimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Atimeter Range and Backscatter Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPN_2_20230510T084203_20230510T084325_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range, ASHA, SWH and Backscatter Quality Flags have be set for one or more records The OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPN_2_20230510T092922_20230510T093344_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Attimeter Range, SSHA, SWH and | CS_OFFL_SIR_GOPN_2_20230510T071130_20230510T071238_C001 | OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one o more records |
| CS_OFFL_SIR_GOPN_2_20230510T080031_20230510T080146_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPN_2_20230510T083239_20230510T083322_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPN_2_20230510T084203_20230510T084325_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPN_2_20230510T084203_20230510T084325_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPN_2_20230510T093937_20230510T094052_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have be set for one or more records The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPN_2_20230510T093937_20230510T094052_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be <td>CS_OFFL_SIR_GOPN_2_20230510T075203_20230510T075517_C001</td> <td>and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM</td> <td>The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records</td> | CS_OFFL_SIR_GOPN_2_20230510T075203_20230510T075517_C001 | 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_202305101083239_202305101083322_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPN_2_202305107084203_202305107084325_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPN_2_202305107092922_202305107093344_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPN_2_202305107093937_202305107094052_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPN_2_202305107093937_202305107094052_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records | CS_OFFL_SIR_GOPN_2_20230510T080031_20230510T080146_C001 | and Backscatter Quality PLRM, 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_20230510T084203_20230510T084325_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Inte Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPN_2_20230510T092922_20230510T093344_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG | CS_OFFL_SIR_GOPN_2_20230510T083239_20230510T083322_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one o more records |
| CS_OFFL_SIR_GOPN_2_20230510T092922_20230510T093344_C001 and Backscatter Quality PLRM, OCOG Interfer Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have be CS_OFFL_SIR_GOPN_2_20230510T093937_20230510T094052_C001 and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be CS_OFFL_SIR_GOPN_2_20230510T093937_20230510T094052_C001 and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be PLRM and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have be The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be | CS_OFFL_SIR_GOPN_2_20230510T084203_20230510T084325_C001 | 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_20230510T093937_20230510T094052_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | CS_OFFL_SIR_GOPN_2_20230510T092922_20230510T093344_C001 | 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_20230510T093937_20230510T094052_C001 | 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_20230510T101736_20230510T101817_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records | CS_OFFL_SIR_GOPN_2_20230510T101736_20230510T101817_C001 | 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_20230510T101856_20230510T102139_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |

| | Ocean Altimeter Range, SSHA, SWH | |
|---|---|---|
| CS_OFFL_SIR_GOPN_2_20230510T110730_20230510T110852_C001 | 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_20230510T111702_20230510T111849_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_20230510T121540_20230510T121721_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_20230510T125515_20230510T125905_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_20230510T133546_20230510T133857_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_20230510T133912_20230510T134122_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_20230510T142530_20230510T142748_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_20230510T151334_20230510T151458_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_20230510T151554_20230510T151945_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_20230510T152455_20230510T152507_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_20230510T161535_20230510T161717_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_20230510T170437_20230510T170538_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_20230510T174438_20230510T174605_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_20230510T175437_20230510T175616_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_20230510T183244_20230510T183358_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_20230510T183439_20230510T183554_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_20230510T184245_20230510T184422_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_20230510T185856_20230510T190001_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_20230510T190732_20230510T190819_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_20230510T202249_20230510T202344_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_20230510T202607_20230510T202625_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_20230510T202632_20230510T202749_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_20230510T203124_20230510T203251_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_20230510T210412_20230510T210526_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_20230510T211031_20230510T211347_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_20230510T220213_20230510T220318_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_20230510T224506_20230510T224743_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_20230510T224936_20230510T225522_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_20230510T234420_20230510T234537_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_20230510T002536_20230510T002926_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_20230510T002926_20230510T003049_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_20230510T005316_20230510T005557_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_20230510T014657_20230510T014950_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_20230510T020417_20230510T020431_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_20230510T020604_20230510T021022_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_20230510T021556_20230510T021635_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_20230510T033933_20230510T034056_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_20230510T034156_20230510T034430_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_20230510T043034_20230510T043238_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_20230510T052516_20230510T052818_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_20230510T060948_20230510T061220_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_20230510T064149_20230510T064220_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_20230510T064951_20230510T065138_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_20230510T065403_20230510T065419_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_20230510T070341_20230510T071130_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_20230510T074827_20230510T075203_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_20230510T081411_20230510T081710_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_20230510T084325_20230510T085213_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_20230510T085215_20230510T085437_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_20230510T093519_20230510T093525_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_20230510T100903_20230510T101254_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_20230510T101821_20230510T101856_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_20230510T102313 | _20230510T103015_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_20230510T111849 | _20230510T112329_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_20230510T113751 | _20230510T113838_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_20230510T115538 | _20230510T115546_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_20230510T120221 | _20230510T120746_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_20230510T121256 | _20230510T121338_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_20230510T121340 | _20230510T121345_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_20230510T125906 | _20230510T130014_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_20230510T131521 | _20230510T131819_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_20230510T133105 | _20230510T133208_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_20230510T133455 | _20230510T133546_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_20230510T134123 | _20230510T134701_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records | | |
| L2 Quality Flags (1 Hz & 1 Hz PLR | (M) | | | | |
| Currently, there are several common flags | | ch are summarised below. | | | |
| > 1 Hz and 1 Hz Ocean SSHA Quality Flags | | | d. | | |
| Number of products with errors: | 208 | | | | |
| 5.8 L2 Ocean Retracking Quali | tv Check | | | | |
| L2 Retracking Flags (20 Hz) | | | | | |
| CryoSat L2 data includes an ocean retracking | quality flag for each 20 Hz measurem | nent record. The bit value of this flag indica | ates any problems when set. | | |
| | | - | number of products with this error flag set is given below. | | |
| Number of products with errors: | 69 | | , | | |
| L2 Retracking Flags (20 Hz PLRM) | | | | | |
| CryoSat L2 data includes an ocean retracking | | asurement record. The bit value of this fla | g indicates any problems when set. | | |
| , | | | о ут | | |
| 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:

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: 0

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).

0

151

0

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_20230509T233926_20230510T002904_C002 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20230510T002904_20230510T011840_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220230510T011840_20230510T020819_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220230510T020819_20230510T025755_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20230510T025755_20230510T034734_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20230510T034734_20230510T043710_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 heigh for one or more records |
| CS_OFFL_SIR_GOP_2_20230510T043710_20230510T052648_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220230510T052648_20230510T061625_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 heigh for one or more records |
| CS_OFFL_SIR_GOP_2_20230510T061625_20230510T070603_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20230510T070603_20230510T075539_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_20230510T075539_20230510T084518_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220230510T084518_20230510T093454_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20230510T093454_20230510T102432_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_220230510T102432_20230510T111408_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20230510T111408_20230510T120347_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220230510T120347_20230510T125323_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220230510T125323_20230510T134302_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 heig for one or more records |
| CS_OFFL_SIR_GOP_2_20230510T134302_20230510T143238_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20230510T143238_20230510T152216_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220230510T152216_20230510T161153_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_20230510T161153_20230510T170131_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220230510T170131_20230510T175107_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220230510T175107_20230510T184046_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220230510T184046_20230510T193022_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20230510T193022_20230510T202000_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20230510T202000_20230510T210937_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |

| CS_OFFL_SIR_GOP_2_20230510T21093 | 7_20230510T215915_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_20230510T21591 | 5_20230510T224851_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_20230510T22485 | 1_20230510T233830_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_220230510T23383 | 0_20230511T002806_C002 | 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 | | |
| 6.5 P2P Measurement Confide | ence Data Check | | | | |
| CryoSat P2P data includes a measurement of | confidence flag for each 20 Hz mea | asurement record. The bit value of this flag indi | cates any problems when set. | | |
| Number of products with errors: | 0 | | | | |
| P2P Quality Flags (20 Hz) | | | | | |
| CryoSat P2P data includes Quality Flags for | each 20 Hz, 20 Hz PLRM and 1 H | z measurement record, copied from the corres | ponding L2 products. | | |
| Since the P2P Quality Flags are copied di | rectly from the L2 Quality Flags, | please see Section 5.6 for the full list of pr | oducts affected. | | |
| Number of products with errors: | 30 | | | | |
| P2P Quality Flags (20 Hz PLRM) | | | | | |
| Since the P2P Quality Flags are copied di | rectly from the L2 Quality Flags, | please see Section 5.6 for the full list of pr | oducts affected. | | |
| Number of products with errors: | 30 | | | | |
| P2P Quality Flags (1 Hz & 1 Hz P | LRM) | | | | |
| Since the P2P Quality Flags are copied di | rectly from the L2 Quality Flags, | please see Section 5.6 for the full list of pr | oducts affected. | | |
| Number of products with errors: | 30 | | | | |
| 6.8 P2P Ocean Retracking Qu | ality Check | | | | |
| P2P Retracking Flags (20 Hz) | | | | | |
| • | |) Hz measurement record. The bit value of this | | | |
| | | GOPR and GOPN products over sea ice, but | this is to be expected. | | |
| Number of products with errors: | 29 | | | | |
| 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.

30

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 | 166 | 166 | 3 | 163 | 0 |
| SIR_GOPR1B | 151 | 151 | 0 | 151 | 0 |
| SIR_GOPN1B | 104 | 104 | 3 | 101 | 0 |
| SIR_GOPM_2 | 166 | 166 | 111 | 55 | 0 |
| SIR_GOPR_2 | 151 | 151 | 66 | 85 | 0 |
| SIR_GOPN_2 | 104 | 104 | 37 | 67 | 0 |
| SIR_GOP_P2P | 29 | 29 | 0 | 29 | 0 |

7.1 QCC Errors

| Number of QCC r | eports with e | rrors: | 0 | | | | | | | | |
|---|---------------|--------|---|---------|---|---|---|---|---|---|---|
| Total number of occurrences of each error | | | | | | | | | | | |
| Product Type | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | | | | | | |
| Product Type | - | - | - | - | - | - | - | - | - | - | - |
| 0 | | | | | | | | | | | |
| | | | | | | | | | | | |
| Test Description | Key: | | | | | | | | | | |
| Abbreviation | Test na | ame | | Details | | | | | | | |
| 0 | 0 | | | #N/A | | | | | | | |
| 0 | 0 | | | #N/A | | | | | | | |
| 0 | 0 | | | #N/A | | | | | | | |
| 0 | 0 | | | #N/A | | | | | | | |
| | | | | | | | | | | | |

7.2 QCC Warnings

| Number of QCC report | ts with warnings | 2199 | | | | | |
|---|------------------|--------------|------------|----------|-----------------|-------------------|---------------|
| Total number of occurrences of each warning | | | | | | | |
| Product Type | BCSHNCDF | MVIOEPFDNCDF | MVIOEPNCDF | MVIONCDF | RBSZOPOEPFDNCDF | RBSZOPOEPFDPLRMNC | RBSZOPOEPNCDF |
| SIR_GOPM1B | 163 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_GOPM_2 | 0 | 45 | 46 | 0 | 36 | 0 | 30 |
| SIR_GOPN1B | 99 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_GOPN_2 | 0 | 9 | 28 | 9 | 22 | 25 | 18 |
| SIR_GOPR1B | 143 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_GOPR_2 | 0 | 26 | 45 | 0 | 23 | 21 | 12 |

| Product Type | RDTCONCDF | RMSSGHOPONCDF | RNELPOTONCDF | RPEPOPFDLRMNCDF | RPEPOPFDPLRMSARNCE | RPEPOPFDPLRMSINNCD | RPEPOPFDSARNCDF |
|--|--------------------------|--------------------------------------|----------------------------------|---|--------------------------------------|--|--|
| SIR_GOPM1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_GOPM_2 | 0 | 1 | 0 | 40 | 0 | 0 | 0 |
| SIR_GOPN1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_GOPN_2 | 1 | 0 | 0 | 0 | 0 | 23 | 0 |
| SIR_GOPR1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_GOPR_2 | 0 | 0 | 3 | 0 | 47 | 0 | 53 |
| | | | · | · | | | |
| Product Type | RPEPOPFDSINNCDF | RPEPOPLRMNCDF | RPEPOPSARNCDF | RPEPOPSINNCDF | RSSBCONCDF | RSSHAOFDNCDF | RSSHAOFDPLRMNCDF |
| SIR_GOPM1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_GOPM_2 | 0 | 30 | 0 | 0 | 2 | 32 | 0 |
| SIR_GOPN1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_GOPN_2 | 28 | 0 | 0 | 23 | 25 | 45 | 54 |
| SIR_GOPR1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_GOPR_2 | 0 | 0 | 48 | 0 | 3 | 68 | 26 |
| | | | · | · | | | |
| Product Type | RSSHAONCDF | RSWHOEPFDNCDF | RSWHOEPFDPLRMNCDF | RSWHOEPNCDF | SPHRTASCNSNCDF | SOOHHIFHD | SCSTODHRNCDF |
| SIR_GOPM1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_GOPM_2 | 4 | 43 | 0 | 1 | 0 | 0 | 0 |
| SIR_GOPN1B | 0 | 0 | 0 | 0 | 0 | 0 | 48 |
| | | | | | | | |
| SIR_GOPN_2 | 41 | 22 | 27 | 12 | 0 | 0 | 0 |
| SIR_GOPN_2 SIR_GOPR1B | 41 0 | 22 0 | 27 0 | 12 0 | 0 0 | 0 0 | 0 151 |
| | | | 27 0 46 | 12 0 3 | 0 0 1 | - | 0 151 0 |
| SIR_GOPR1B | 0 | 0 | 27 0 46 | 0 | 0 0 1 | 4 | 0 |
| SIR_GOPR1B | 0 | 0 | | 0 3 | 0 0 1 RBSZOPOEPFDNCDF | - | 0 |
| SIR_GOPR1B SIR_GOPR_2 | 0 4 | 0 37 | | 0 3 MVIONCDF | 0 0 1 RBSZOPOEPFDNCDF 29 | 4 RBSZOPOEPFDPLRMNCD | 0 |
| SIR_GOPR1B SIR_GOPR_2 Product Type SIR_GOP_2_ | 0 4 IOHHMOOR 12 | 0 37 MVIOEPFDNCDF 29 | MVIOEPNCDF 29 | 0 3 MVIONCDF 8 | 29 | 4 RBSZOPOEPFDPLRMNCD 17 | 0 RBSZOPOEPNCDF 29 |
| SIR_GOPR1B SIR_GOPR_2 Product Type | 0 4 IOHHMOOR | 0 37 MVIOEPFDNCDF | MVIOEPNCDF 29 | 0 3 MVIONCDF 8 RPEPOPFDPLRMSINNCD | 29 RPEPOPFDSINNCDF | 4 RBSZOPOEPFDPLRMNCD 17 RPEPOPSINNCDF | 0 RBSZOPOEPNCDF 29 RSSBCONCDF |
| SIR_GOPR1B SIR_GOPR_2 Product Type SIR_GOP_2_ | 0 4 IOHHMOOR 12 | 0 37 MVIOEPFDNCDF 29 | MVIOEPNCDF 29 | 0 3 MVIONCDF 8 RPEPOPFDPLRMSINNCD | 29 RPEPOPFDSINNCDF | 4 RBSZOPOEPFDPLRMNCD 17 RPEPOPSINNCDF | 0 RBSZOPOEPNCDF 29 |
| SIR_GOPR1B SIR_GOPR_2 Product Type SIR_GOP_2_ Product Type | 0 4 IOHHMOOR 12 | 0 37 MVIOEPFDNCDF 29 | MVIOEPNCDF 29 RNELPOTONCDF | 0 3 MVIONCDF 8 RPEPOPFDPLRMSINNCD 16 | 29 RPEPOPFDSINNCDF 28 | 4 RBSZOPOEPFDPLRMNCD 17 RPEPOPSINNCDF 20 | 0 RBSZOPOEPNCDF 29 RSSBCONCDF |
| SIR_GOPR1B SIR_GOPR_2 Product Type SIR_GOP_2_ Product Type | 0 4 IOHHMOOR 12 | 0 37 MVIOEPFDNCDF 29 | MVIOEPNCDF 29 RNELPOTONCDF | 0 3 MVIONCDF 8 RPEPOPFDPLRMSINNCD 16 | 29 RPEPOPFDSINNCDF | 4 RBSZOPOEPFDPLRMNCD 17 RPEPOPSINNCDF 20 | 0 RBSZOPOEPNCDF 29 RSSBCONCDF |

| Test Description Key: | Test Description Key: | | | | | | | |
|-------------------------|---|---|--|--|--|--|--|--|
| Abbreviation | Test name | Details | | | | | | |
| BCSHNCDF | BurstCounterStep20HzNetCDF | The burst counter should be one higher with regard to the previous burst counter | | | | | | |
| MVIOEPFDNCDF | MissingValueIntOceanExcludingPolarFD2NetCDF | The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees | | | | | | |
| MVIOEPNCDF | MissingValueIntOceanExcludingPolarNetCDF | The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees | | | | | | |
| MVIONCDF | MissingValueIntOceanNetCDF | The value should not be a 'missing value' for surface type 0 only | | | | | | |
| RBSZOPOEPFDNCDF | RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF | The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | | |
| RBSZOPOEPFDPLRM NCDF | RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF | The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | | |
| RBSZOPOEPNCDF | RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF | The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | | |
| RDTCONCDF | RangeDryTroposphericCorrectionOceanNetCDF | The Dry tropospheric correction should be between -2500mm and -1900mm (or missing) for surface type = ocean - NetCDF | | | | | | |
| RMSSGHOPONCDF | RangeMSSGeoidHeightOPOceanNetCDF | The MSS/geoid height should be between -106000mm and 88000mm (or missing) for surface type = ocean - NetCDF | | | | | | |
| RNELPOTONCDF | RangeNELPOceanTideOceanNetCDF | The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean | | | | | | |
| RPEPOPFDLRMNCDF | RangePeakinessExcludingPolarOPFD2LRMNetCDF | The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | | |
| RPEPOPFDPLRMSAR NCDF | RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF | The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | | |
| RPEPOPFDPLRMSINN CDF | RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF | The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | | |
| RPEPOPFDSARNCDF | RangePeakinessExcludingPolarOPFD2SARNetCDF | The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | | |
| RPEPOPFDSINNCDF | RangePeakinessExcludingPolarOPFD2SINNetCDF | The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | | |
| RPEPOPLRMNCDF | RangePeakinessExcludingPolarOPLRMNetCDF | The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | | |
| RPEPOPSARNCDF | RangePeakinessExcludingPolarOPSARNetCDF | The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | | |
| RPEPOPSINNCDF | RangePeakinessExcludingPolarOPSINNetCDF | The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | | |
| RSSBCONCDF | RangeSeaStateBiasCorrectionOceanNetCDF | The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean | | | | | | |
| RSSHAOFDNCDF | RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF | The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean | | | | | | |
| RSSHAOFDPLRMNCD F | RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF | The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean | | | | | | |
| RSSHAONCDF | RangeSeaSurfaceHeightAnomalyOceanNetCDF | The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean | | | | | | |
| RSWHOEPFDNCDF | RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF | The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | | |
| RSWHOEPFDPLRMNC DF | RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF | The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | | |
| RSWHOEPNCDF | RangeSignificantWaveHeightOceanExcludingPolarNetCDF | The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | | |
| SPHRTASCNSNCDF | SPH_Rel_Time_ASC_Node_Start_v2_NetCDF | Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1) | | | | | | |
| SOOHHIFHD | SameOrOneHigher1HzIndexFor20HzData | The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample | | | | | | |
| | | | | | | | | |

| 7.3 Missing | QCC | Reports |
|-------------|-----|---------|
|-------------|-----|---------|

Number of products with missing QCC reports:

1

L1B and L2 Product name n/a

P2P Product name CS_OFFL_SIR_GOP_2_20230510T233830_20230511T002806_C002