

QA4EO Daily Report for IOP data:

<u>15/03/2023</u>

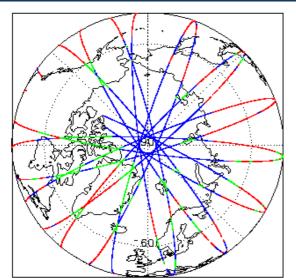
IDEAS-QA4E0

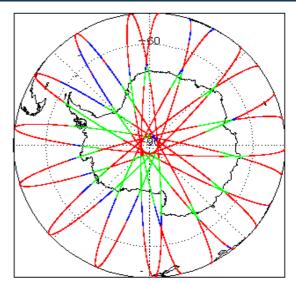
| Demont Dreduction. | 00 Mar 0000 | Check | L1 & L2 | P2P |
|---|------------------------------------|--|-------------------------|-----------------|
| Report Production: | 20-Mar-2023 | Server check: science-pds.cryosat.esa.int | Nominal | Nominal |
| Processor Used: CrvoSat Ocean Processor | | Server check: calval-pds.cryosat.esa.int | Nominal | Nominal |
| Processor useu: | CryoSat Ocean Processor | Product Software Check | Nominal | Nominal |
| Data Used: | Intermediate Ocean Products (IOP) | Product Format Check | Nominal | Nominal |
| L1B, L2 & P2P Science Data | 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 |
| | 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 | Range, SWH & Backscatter Measurement Check | See Section 5.6 | See Section 6.6 |
| information do you | uneed? Send your feedback to | Ocean Retracking Quality Check | See Section 5.7 | See Section 6.7 |
| cs2_qc_t | eam@telespazio.com | QCC Error/ Warning Check | See Section 7.1 and 7.2 | See Section 7.2 |

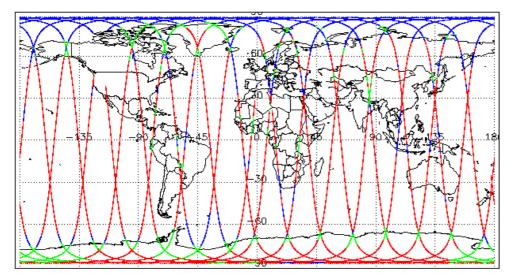
1. Overview

| | Mission / Instrument News | | | |
|-------------|---------------------------|-----------------|--|--|
| 14-Mar-2023 | | None | | |
| 15-Mar-2023 | | None | | |
| 16-Mar-2023 | | Nothing planned | | |

2. Global Coverage











3. Instrument Configuration

SIRAL instrument(s) in use:

SIRAL - A

0

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

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

| · · · · · · · · · · · · · · · · · · · | sis |
|--|--|
| For all products, a series of pre-defined check | ks 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 |
| 4.3 L1B Auxilary Data File Usa | ige Check |
| Each product is checked for missing Data Se | t Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. |
| Number of products with errors: | 0 |
| 4.4 L1B Auxiliary Correction E | rror Check |
| CryoSat L1B data includes a correction error | flag for each measurement record. The bit value of this flag indicates any problems when set. |
| Number of products with errors: | 0 |
| 4.5 L1B Measurement Confide | nce Data Check |
| CryoSat L1B data includes a measurement c | onfidence flag for each measurement record. The bit value of this flag indicates any problems when set. |
| Attitude Correction Missing: This flag is oupdate. | currently set in error for IOPR products due to a configuration issue. The attitude correction is actually not missing. This will be resolved in the next SW |
| 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 bit value of this flag indicates any problems when set.

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Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected. The table provides the full list of products flagged.

Number of products with errors:

| Product | Test Failed | Description |
|---|--------------|--|
| CS_OFFL_SIR_IOPM1B_20230315T003849_20230315T004518_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPM1B_20230315T050027_20230315T050515_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPM1B_20230315T113832_20230315T120115_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPM1B_20230315T141023_20230315T142753_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPM1B_20230315T144900_20230315T150106_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20230315T062157_20230315T062643_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20230315T085427_20230315T085553_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20230315T120207_20230315T120623_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20230315T125133_20230315T125537_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20230315T225542_20230315T225607_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20230315T225808_20230315T225921_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20230315T044453_20230315T044603_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20230315T093425_20230315T093513_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20230315T111426_20230315T112708_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20230315T224552_20230315T225348_C001 | Loss of Echo | The tracking echo is missing for one or more records |

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

5.2 L2 Product Header Analysis

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

Number of products with errors:

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. 0

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

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

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

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

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

Number of products with errors:

| Product | Test Failed | Description |
|---|---------------------------------|--|
| CS_OFFL_SIR_IOPM_2_20230315T033157_20230315T034337_C001 | liviean Livnamic Lopodraphy (1) | There is an error with the Mean Dynamic Topography height (solution 1) for one or more records |

| CS_OFFL_SIR_IOPM_2_20230315T061318_20230315T061355_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: |
|---|---|---|
| CS_OFFL_SIR_IOPM_2_20230315T185021_20230315T191852_C001 | Tide (GOT) Mean Dynamic Topography (1) | GOT) for one or more records There is an error with the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_IOPN_2_20230315T002724_20230315T003010_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) |
| CS_OFFL_SIR_IOPN_2_20230315T003325_20230315T003701_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) |
| CS_OFFL_SIR_IOPN_2_20230315T020804_20230315T021038_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) |
| CS_OFFL_SIR_IOPN_2_20230315T030311_20230315T030431_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) |
| CS_OFFL_SIR_IOPN_2_20230315T034338_20230315T034923_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) |
| CS_OFFL_SIR_IOPN_2_20230315T043742_20230315T043836_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_IOPN_2_20230315T044243_20230315T044453_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) |
| CS_OFFL_SIR_IOPN_2_20230315T044603_20230315T044832_C001 | 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 Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and 2: FES) and the Non- Equilibrium Long Period Ocean Tide for one or more records |
| CS_OFFL_SIR_IOPN_2_20230315T052530_20230315T052709_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_IOPN_2_20230315T053554_20230315T053803_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) |
| CS_OFFL_SIR_IOPN_2_20230315T062157_20230315T062643_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) |
| CS_OFFL_SIR_IOPN_2_20230315T084442_20230315T084835_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and tidal corrections for one or more records |
| CS_OFFL_SIR_IOPN_2_20230315T102430_20230315T102743_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) |
| CS_OFFL_SIR_IOPN_2_20230315T110905_20230315T111022_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_IOPN_2_20230315T120207_20230315T120623_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) |
| CS_OFFL_SIR_IOPN_2_20230315T121200_20230315T121324_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) |
| CS_OFFL_SIR_IOPN_2_20230315T125133_20230315T125537_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 (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_IOPN_2_20230315T143340_20230315T143433_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) |
| CS_OFFL_SIR_IOPN_2_20230315T152745_20230315T153005_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) |
| CS_OFFL_SIR_IOPN_2_20230315T161137_20230315T161349_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 (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_IOPN_2_20230315T165756_20230315T165958_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_IOPN_2_20230315T170644_20230315T171118_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) |
| CS_OFFL_SIR_IOPN_2_20230315T174820_20230315T175213_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) |
| CS_OFFL_SIR_IOPN_2_20230315T183810_20230315T184042_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) |
| CS_OFFL_SIR_IOPN_2_20230315T184803_20230315T184946_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) |
| CS_OFFL_SIR_IOPN_2_20230315T202703_20230315T202838_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_IOPN_2_20230315T215710_20230315T215825_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_IOPN_2_20230315T220401_20230315T220719_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) |
| CS_OFFL_SIR_IOPN_2_20230315T233628_20230315T233747_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) |
| CS_OFFL_SIR_IOPN_2_20230315T234257_20230315T234607_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and tidal corrections for one or more records |
| CS_OFFL_SIR_IOPR_2_20230315T011828_20230315T012314_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) |

| CS OFFL SIR IOPR 2 20230315T012315 20230315T012437 C001 | Mean Sea Surface (1), Mean Dynamic | There is an error with the MSS height (solution 1) and the Mean Dynamic |
|---|--|---|
| | Topography (1) | Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20230315T025626_20230315T030157_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) |
| CS_OFFL_SIR_IOPR_2_20230315T030157_20230315T030311_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) |
| CS_OFFL_SIR_IOPR_2_20230315T043836_20230315T043924_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) |
| CS_OFFL_SIR_IOPR_2_20230315T043924_20230315T044242_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) |
| CS_OFFL_SIR_IOPR_2_20230315T061356_20230315T061452_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_IOPR_2_20230315T061452_20230315T062156_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) |
| CS_OFFL_SIR_IOPR_2_20230315T075656_20230315T080226_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) |
| CS_OFFL_SIR_IOPR_2_20230315T092515_20230315T092657_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_IOPR_2_20230315T093607_20230315T094358_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) |
| CS_OFFL_SIR_IOPR_2_20230315T111426_20230315T112708_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) |
| CS_OFFL_SIR_IOPR_2_20230315T125537_20230315T130314_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) |
| CS_OFFL_SIR_IOPR_2_20230315T143434_20230315T144014_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) |
| CS_OFFL_SIR_IOPR_2_20230315T160347_20230315T160451_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_IOPR_2_20230315T161349_20230315T162039_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) |
| CS_OFFL_SIR_IOPR_2_20230315T175213_20230315T175730_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) |
| CS_OFFL_SIR_IOPR_2_20230315T193016_20230315T194006_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) |
| CS_OFFL_SIR_IOPR_2_20230315T210811_20230315T211544_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) |
| CS_OFFL_SIR_IOPR_2_20230315T212500_20230315T212658_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_IOPR_2_20230315T224552_20230315T225348_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) |
| CS_OFFL_SIR_IOPR_2_20230315T225348_20230315T225512_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) |
| | | |

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.

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

Number of products with errors:

| Direction | Test Failed | Description |
|--|---|--|
| Product CS_OFFL_SIR_IOPM_2_20230315T000643_20230315T001127_C001 | Test Failed Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | Description The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20230315T001316_20230315T002627_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_IOPM_2_20230315T003011_20230315T003325_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_IOPM_2_20230315T003849_20230315T004518_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_IOPM_2_20230315T004528_20230315T010729_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_IOPM_2_20230315T010821_20230315T011134_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_IOPM_2_20230315T012944_20230315T013645_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_IOPM_2_20230315T013707_20230315T020103_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_IOPM_2_20230315T021908_20230315T022456_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_IOPM_2_20230315T022550_20230315T023412_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_IOPM_2_20230315T023936_20230315T024717_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_IOPM_2_20230315T025046_20230315T025053_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_IOPM_2_20230315T030432_20230315T030844_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_IOPM_2_20230315T031002_20230315T031240_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_IOPM_2_20230315T031334_20230315T032342_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_IOPM_2_20230315T033157_20230315T034337_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_IOPM_2_20230315T034923_20230315T035148_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_IOPM_2_20230315T035218_20230315T035641_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_IOPM_2_20230315T035821_20230315T040532_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_IOPM_2_20230315T040538_20230315T041324_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_IOPM_2_20230315T041504_20230315T042438_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_IOPM_2_20230315T045604_20230315T045904_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_IOPM_2_20230315T050027_20230315T050515_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_IOPM_2_20230315T050742_20230315T052449_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_IOPM_2_20230315T052710_20230315T053554_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_IOPM_2_20230315T053803_20230315T060035_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_IOPM_2_20230315T060814_20230315T061129_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_IOPM_2_20230315T061318_20230315T061355_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_IOPM_2_20230315T063726_20230315T070413_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_IOPM_2_20230315T070632_20230315T070816_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_IOPM_2_20230315T070919_20230315T071348_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_IOPM_2_20230315T071646_20230315T074210_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_IOPM_2_20230315T081506_20230315T084312_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_IOPM_2_20230315T084836_20230315T085426_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_IOPM_2_20230315T085553_20230315T091659_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_IOPM_2_20230315T091724_20230315T092127_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_IOPM_2_20230315T092848_20230315T093016_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_IOPM_2_20230315T093331_20230315T093424_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_IOPM_2_20230315T094655_20230315T102210_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_IOPM_2_20230315T102743_20230315T103259_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_IOPM_2_20230315T103434_20230315T103741_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_IOPM_2_20230315T103941_20230315T104225_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_IOPM_2_20230315T111023_20230315T111303_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_IOPM_2_20230315T112708_20230315T113546_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_IOPM_2_20230315T113832_20230315T120115_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_IOPM_2_20230315T120623_20230315T120745_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_IOPM_2_20230315T120753_20230315T121200_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_IOPM_2_20230315T121333_20230315T122707_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_IOPM_2_20230315T122855_20230315T123612_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_IOPM_2_20230315T123655_20230315T124128_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_IOPM_2_20230315T130715_20230315T133943_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_IOPM_2_20230315T134123_20230315T134644_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_IOPM_2_20230315T135349_20230315T135441_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_IOPM_2_20230315T135746_20230315T141016_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_IOPM_2_20230315T141023_20230315T142753_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_IOPM_2_20230315T142922_20230315T143340_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_IOPM_2_20230315T144900_20230315T150106_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_IOPM_2_20230315T150310_20230315T151859_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_IOPM_2_20230315T152042_20230315T152542_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_IOPM_2_20230315T153500_20230315T154524_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_IOPM_2_20230315T155143_20230315T160253_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_IOPM_2_20230315T163847_20230315T163939_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_IOPM_2_20230315T164309_20230315T165753_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_IOPM_2_20230315T165959_20230315T170455_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_IOPM_2_20230315T171119_20230315T174517_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_IOPM_2_20230315T180532_20230315T180543_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_IOPM_2_20230315T181309_20230315T183426_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_IOPM_2_20230315T183446_20230315T183733_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_IOPM_2_20230315T184043_20230315T184412_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_IOPM_2_20230315T185021_20230315T191852_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_IOPM_2_20230315T195104_20230315T201655_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_IOPM_2_20230315T201826_20230315T202327_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_IOPM_2_20230315T202335_20230315T202702_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_IOPM_2_20230315T202949_20230315T210449_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_IOPM_2_20230315T212847_20230315T213719_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_IOPM_2_20230315T215015_20230315T215646_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_IOPM_2_20230315T215826_20230315T220400_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_IOPM_2_20230315T220913_20230315T224317_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_IOPM_2_20230315T225708_20230315T225808_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_IOPM_2_20230315T231631_20230315T233611_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_IOPM_2_20230315T233748_20230315T234256_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_IOPM_2_20230315T234818_20230316T002257_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_IOPN_2_20230315T124949_20230315T125036_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_IOPN_2_20230315T142757_20230315T142922_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_IOPN_2_20230315T152745_20230315T153005_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_IOPN_2_20230315T183810_20230315T184042_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_IOPN_2_20230315T184429_20230315T184435_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_IOPR_2_20230315T012508_20230315T012558_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_IOPR_2_20230315T024717_20230315T024826_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_IOPR_2_20230315T060155_20230315T060232_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_IOPR_2_20230315T071609_20230315T071646_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_IOPR_2_20230315T075229_20230315T075410_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_IOPR_2_20230315T093535_20230315T093540_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_IOPR_2_20230315T094534_20230315T094540_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_IOPR_2_20230315T144453_20230315T144500_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_IOPR_2_20230315T225348_20230315T225512_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |

L2 Quality Flags (20 Hz PLRM)

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

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

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

Number of products with errors:

| Product | Test Failed | Description |
|---|---|---|
| | • • • | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20230315T002724_20230315T003010_C001 | Altimeter Bange 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_IOPN_2_20230315T012559_20230315T012647_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_IOPN_2_20230315T020804_20230315T021038_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_IOPN_2_20230315T021233_20230315T021513_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_IOPN_2_20230315T024827_20230315T025010_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_IOPN_2_20230315T034338_20230315T034923_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_IOPN_2_20230315T035642_20230315T035820_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_IOPN_2_20230315T043742_20230315T043836_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_IOPN_2_20230315T044243_20230315T044453_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_IOPN_2_20230315T044603_20230315T044832_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_IOPN_2_20230315T045033_20230315T045154_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_IOPN_2_20230315T060232_20230315T060540_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_IOPN_2_20230315T062157_20230315T062643_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_IOPN_2_20230315T062744_20230315T062905_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_IOPN_2_20230315T070817_20230315T070919_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_IOPN_2_20230315T071348_20230315T071609_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_IOPN_2_20230315T074628_20230315T074734_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_IOPN_2_20230315T084442_20230315T084835_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_IOPN_2_20230315T085427_20230315T085553_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_IOPN_2_20230315T093308_20230315T093330_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_IOPN_2_20230315T093514_20230315T093535_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_IOPN_2_20230315T093540_20230315T093606_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_IOPN_2_20230315T103259_20230315T103408_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_IOPN_2_20230315T125133_20230315T125537_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_IOPN_2_20230315T134945_20230315T135130_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_IOPN_2_20230315T152745_20230315T153005_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_IOPN_2_20230315T160751_20230315T161047_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_IOPN_2_20230315T161137_20230315T161349_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_IOPN_2_20230315T170644_20230315T171118_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_IOPN_2_20230315T174820_20230315T175213_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_IOPN_2_20230315T180707_20230315T180819_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_IOPN_2_20230315T180911_20230315T181233_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_IOPN_2_20230315T213719_20230315T214053_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_IOPN_2_20230315T220401_20230315T220719_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_IOPN_2_20230315T225808_20230315T225921_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_IOPN_2_20230315T230413_20230315T230451_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_IOPN_2_20230315T231458_20230315T231630_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_IOPR_2_20230315T003701_20230315T003849_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_IOPR_2_20230315T011135_20230315T011136_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_IOPR_2_20230315T011138_20230315T011410_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_IOPR_2_20230315T011443_20230315T011446_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_IOPR_2_20230315T011828_20230315T012314_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_IOPR_2_20230315T012315_20230315T012437_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_IOPR_2_20230315T012647_20230315T012847_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_IOPR_2_20230315T020450_20230315T020804_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_IOPR_2_20230315T025626_20230315T030157_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_IOPR_2_20230315T030157_20230315T030311_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_IOPR_2_20230315T031240_20230315T031334_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_IOPR_2_20230315T032343_20230315T032751_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_IOPR_2_20230315T043836_20230315T043924_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_IOPR_2_20230315T043924_20230315T044242_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_IOPR_2_20230315T044453_20230315T044603_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_IOPR_2_20230315T044832_20230315T044918_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| | | |

| DCOFFL_SR_OPFL_SR_OPFL_2.0203015106017_C001 DCOG Bassacter Curry File Cook Almeter Range SHA, SWH ond Backsacter Curry | | | |
|---|---|---|---|
| CS_OFFL_SIP_OPR_2_0020015T00145_202010T00216_0001 and Baseaster Couliny FLM. COCO Minimum Region and Biochecoline Couliny FLM. COCO Minimum Region Couling FLM. COCO Mininter Region and Biochecoline Couling FLM. COCO Min | CS_OFFL_SIR_IOPR_2_20230315T060036_20230315T060117_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| GS_OFFL_SIR_JOPR_2_2023015T07044_02320315T07640_0001 and Badeater Quality PLINL COOL Iffed Science Analysis and Badeater Quality Plans have been set for more records GS_OFFL_SIR_JOPR_2_2023015T07529_0232315T076540_0001 COCO Altimeter Range Quality PLINL COCO Altimeter Range SSIA, SWH and Badeater Quality Flags have been set for more records GS_OFFL_SIR_JOPR_2_2023015T076566_02323015T076540_0001 COCO Altimeter Range SSIA, SWH and Badeater Quality Flags have been set for more records GS_OFFL_SIR_JOPR_2_2023015T076566_02323015T086280_C001 COCO Altimeter Range SSIA, SWH and Badeater Quality Flags have been set for more records GS_OFFL_SIR_JOPR_2_2023015T096067_20232015T086280_C001 COCO Altimeter Range SSIA, SWH and Badeater Quality Flags have been set for more records GS_OFFL_SIR_JOPR_2_2023015T096067_20232015T096438_C001 COCO Altimeter Range SSIA, SWH and Badeater Quality Flags have been set for more records GS_OFFL_SIR_JOPR_2_2023015T096407_2023015T096438_C001 COCOA Altimeter Range SSIA, SWH and Badeater Quality Flags have been set for more records GS_OFFL_SIR_JOPR_2_2023015T1096438_C001 COCOA Altimeter Range SSIA, SWH and Badeater Quality Flags have been set for more records GS_OFFL_SIR_JOPR_2_2023015T1096439_C001 COCOA Altimeter Range SSIA, SWH and Badeater Quality Flags have been set for more records GS_OFFL_SIR_JOPR_2_2023015T110620_2023015T106428_C001 COCOA Altimeter Range Quality PLIN, COCOA Range and Backacatter Quality Flags have been set for more records GS_OFFL_SIR_JOPR_2_20230 | CS_OFFL_SIR_IOPR_2_20230315T061452_20230315T062156_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 |
| Display Description Cools advances Cools advances <thcools advances<="" th=""> Cools advances<td>CS_OFFL_SIR_IOPR_2_20230315T070414_20230315T070506_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></thcools> | CS_OFFL_SIR_IOPR_2_20230315T070414_20230315T070506_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 |
| GS_OFFL_SIR_JOPR_2_20230315T076566_20230315T080226_C001 and Backscatter Quality Flag. Non- Similar Energy and Backscatter Quality Flag. New Dense Technology Flag. N | CS_OFFL_SIR_IOPR_2_20230315T075229_20230315T075410_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFF_SIR_IOPR_2_0203015T109369_2001 OCOO Backscatter Quality more records CS_OFFL_SIR_IOPR_2_0203015T09369_7_0020015T094358_CO01 OCOO Backscatter Quality more records CS_OFFL_SIR_IOPR_2_0203015T094057_0020015T094358_CO01 OCOO Backscatter Quality The OCOO Gampe and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_0203015T1094457_0020015T1094550_CO01 OCOO Backscatter Quality The OCOO Gampe and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_0203015T104228_0203015T104823_C001 OCOO A limeter Range Quality PLRM, The OCOO Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_0203015T104228_0203015T104823_C001 OCOO A limeter Range Quality PLRM, The OCOO Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_0203015T104228_0203015T110518_C001 OCOO Gampe Subt SWH more records The OCOO Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_0203015T110208_00201 OCOO Gampe SWH SWH more Range SWH SWH more records The OCOO Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_0203015T110208_0020315T10208_0001 OCOO Rander Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_0203015T102042_C001 OCOO A limeter Range SWH SWH and Backscatter Quality Flags have been set for more records | CS_OFFL_SIR_IOPR_2_20230315T075656_20230315T080226_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 |
| GS_OFFL_SIR_IOPR_2_20230315T094697_20230315T094535_0001 and Backscatter Quality PLM. COCG Attimeter Range and Backscatter Quality Flags have set for one or none records GS_OFFL_SIR_IOPR_2_20230315T094457_20230315T094510_C001 OCCG Attimeter Range Quality PLM. COCG Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T110220_20230315T110518_C001 OCCG Attimeter Range Quality PLM. COCG Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T111265_20230315T112708_C001 OCCG Attimeter Range SSHA, SWH and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T1125537_20230315T112708_C001 OCCG Attimeter Range SSHA, SWH and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T130314_C001 OCCG Attimeter Range SSHA, SWH and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T130314_C001 OCCG Attimeter Range Quality PLM. OCCG Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T130314_C001 OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T130315T130315_C001 OCCCG Attimeter Range, SSHA, SWH and Backscatter Q | CS_OFFL_SIR_IOPR_2_20230315T092515_20230315T092657_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20230315T104228_20230315T104623_C001 OCOG Backscatter Quality Inore records CS_OFFL_SIR_IOPR_2_20230315T104228_20230315T104623_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T110320_20230315T110518_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T114268_20230315T112708_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T125537_20230315T1300314_C001 Altimeter Range SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T130426_20230315T130442_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T130442_2023015T130715_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T144531_20230315T144014_C001 Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Range | CS_OFFL_SIR_IOPR_2_20230315T093607_20230315T094358_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_IOPR_2_202303151104226_202303151104226_202303151104226_202303151104226_202303151104226_202303151110518_CO01 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_202303151110320_202303151110320_202303151110208_CO01 Ocean Altimeter Range Quality PLRM. OCOG Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_2023031511125537_20230315111208_C001 Ocean Altimeter Range Quality PLRM. OCOG Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_202303151130314_C001 Decan Altimeter Range Quality PLRM. OCOG Altimeter Range Quality PLRM. OCOG Altimeter Range Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Altimeter Range Quality PLRM. OCOG Gas and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_202303151130442_202303151130442_C001 OCOG Altimeter Range Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Gase Altimeter Range Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Coean Altimeter Range and Backscatter Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality PLRM. And Backscatter Quality Flags have been set for more records | CS_OFFL_SIR_IOPR_2_20230315T094457_20230315T094510_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20230315T11020_20230315T110216_0001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_20230315T111426_20230315T112708_0001 Attimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Fig. No. 2000 CS_OFFL_SIR_IOPR_2_20230315T1125537_20230315T120537_20230315T130314_0001 Cean Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_20230315T130426_20230315T130314_0001 Ocean Altimeter Range Quality PLRM, OCOG The OCOG Range and Backscatter Quality The OCOG Range and Backscatter Quality Fig. No. 2000 CS_OFFL_SIR_IOPR_2_20230315T130442_0001 OCOG Altimeter Range Quality PLRM, OCOG The OCOG Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T130442_20230315T130715_0001 OCOG Altimeter Range, SHA, SWH and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T135131_20230315T135349_0001 Ocean Altimeter Range, SHA, SWH and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T144014_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T144612_20230315T144014_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS | CS_OFFL_SIR_IOPR_2_20230315T104226_20230315T104623_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20230315T11426_20230315T112708_C001 and Backscatter Quaity PLRM.OCCG Attimeter Range and Backscatter Quaity PLRM The Ocean Attimeter Range, SSHA, SWH and Backscatter Quaity PLRM, OCCG Attimeter Range and Backscatter Quaity PLRM CS_OFFL_SIR_IOPR_2_20230315T125537_20230315T130314_C001 Cocean Attimeter Range, SSHA, SWH and Backscatter Quaity PLRM The Ocean Attimeter Range, SSHA, SWH and Backscatter Quaity Flags have and the OCOG Attimeter Range and Backscatter Quaity and the OCOG Attimeter Range and Backscatter Quaity PLRM The Ocean Attimeter Range, SSHA, SWH and Backscatter Quaity Flags have and the OCOG Attimeter Range and Backscatter Quaity set for one or more records CS_OFFL_SIR_IOPR_2_20230315T130442_20201 OCOG Attimeter Range Quaity PLRM, OCOG Backscatter Quaity The OCOG Range and Backscatter Quaity Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T130444_20230315T130715_C001 OCOG Attimeter Range Quaity PLRM, OCOG Backscatter Quaity OCOG Backscatter Quaity CS_OFFL_SIR_IOPR_2_20230315T135131_20230315T135349_C001 The Ocean Attimeter Range, SSHA, SWH and Backscatter Quaity PLRM CS_OFFL_SIR_IOPR_2_20230315T143434_20230315T144014_C001 Ocean Attimeter Range and Backscatter Quaity PLRM The Ocean Attimeter Range, SSHA, SWH and Backscatter Quaity PLRM CS_OFFL_SIR_IOPR_2_20230315T144453_20230315T144014_C001 Ocean Attimeter Range and Backscatter Quaity PLRM The Ocean Attimeter Range and Backscatter Quaity PLRM CS_OFFL_SIR_IOPR_2_20230315T144515_20230315T144500_C001 OCCG Attimeter Range Quaity PLRM, OCCG Attimeter Range and Backscatter Quaity PLRM <td>CS_OFFL_SIR_IOPR_2_20230315T110320_20230315T110518_C001</td> <td></td> <td>The OCOG Range and Backscatter Quality Flags have been set for one or more records</td> | CS_OFFL_SIR_IOPR_2_20230315T110320_20230315T110518_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20230315T125537_20230315T130314_C001 and Backscatter Quality PLRM, QCOG Altimeter Range and Backscatter Quality PLRM, QCOG Altimeter Range Quality PLRM, The OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have set for one or more records CS_OFFL_SIR_IOPR_2_20230315T130442_20230315T130442_2001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T130444_20230315T130715_C001 OCOG Altimeter Range, Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T135131_20230315T135349_C001 OCean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for more records Cs_OFFL_SIR_IOPR_2_20230315T143434_20230315T144014_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM Cs_OFFL_SIR_IOPR_2_20230315T144453_20230315T144500_C001 OCCG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for more records Cs_OFFL_SIR_IOPR_2_20230315T144515_20230315T144500_C001 OCCG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality The OCOG Range and Backscatter Quality Flags have set for one or more records Cs_OFFL_SIR_IOPR_2_20230315T144515_20230315T144623_C001 OCCG Altime | CS_OFFL_SIR_IOPR_2_20230315T111426_20230315T112708_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_IOPR_2_202303151130426_202303151130442_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_202303151130444_20230315T130715_C001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T135131_20230315T135349_C001 Ocean 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 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have set for one or more records CS_OFFL_SIR_IOPR_2_20230315T144344_20230315T144014_C001 Ocean Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have set for one or more records CS_OFFL_SIR_IOPR_2_20230315T14453_20230315T144014_C001 OccG Altimeter Range Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags have set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230315T14453_20230315T144623_C001 OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T144515_20230315T144623_C001 Ocean Altimeter Range and Backscatter Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags h | CS_OFFL_SIR_IOPR_2_20230315T125537_20230315T130314_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_IOPR_2_202303151130444_202303151130715_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_202303151135131_20230315T135349_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Atimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have set for one or more records CS_OFFL_SIR_IOPR_2_20230315T143434_20230315T144014_C001 Ocean Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have set for one or more records CS_OFFL_SIR_IOPR_2_20230315T144453_20230315T144014_C001 OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have set for one or more records CS_OFFL_SIR_IOPR_2_20230315T144453_20230315T144500_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T144515_20230315T144623_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T144515_20230315T144623_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for more records | CS_OFFL_SIR_IOPR_2_20230315T130426_20230315T130442_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20230315T135131_20230315T135349_C001 and Backscatter Quality PLRM, OCOG Interformation Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230315T143434_20230315T144014_C001 Ccean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230315T144014_C001 Occog Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230315T14453_20230315T144500_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T144515_20230315T144623_C001 Occean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T144515_20230315T144623_C001 Occean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for more records OCean Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for more records | CS_OFFL_SIR_IOPR_2_20230315T130444_20230315T130715_C001 | 3 | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20230315T143434_20230315T144014_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM Ind Decean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have set for one or more records CS_OFFL_SIR_IOPR_2_20230315T14453_20230315T144500_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T144515_20230315T144623_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for more records CS_OFFL_SIR_IOPR_2_20230315T144515_20230315T144623_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for more records | CS_OFFL_SIR_IOPR_2_20230315T135131_20230315T135349_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_IOPR_2_202303151144453_202303151144500_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_20230315T144515_20230315T144623_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 set for one or more records | CS_OFFL_SIR_IOPR_2_20230315T143434_20230315T144014_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_IOPR_2_20230315T144515_20230315T144623_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM or one or more records | CS_OFFL_SIR_IOPR_2_20230315T144453_20230315T144500_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| | CS_OFFL_SIR_IOPR_2_20230315T144515_20230315T144623_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_IOPR_2_20230315T150106_20230315T150310_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OC | CS_OFFL_SIR_IOPR_2_20230315T150106_20230315T150310_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_IOPR_2_20230315T153006_20230315T153500_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_IOPR_2_20230315T154931_20230315T155006_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality Flags have been set for more records | CS_OFFL_SIR_IOPR_2_20230315T154931_20230315T155006_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20230315T155006_20230315T155112_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for more records | CS_OFFL_SIR_IOPR_2_20230315T155006_20230315T155112_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| | CS_OFFL_SIR_IOPR_2_20230315T160632_20230315T160751_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_IOPR_2_20230315T161047_20230315T161136_C001 Altimeter Range and Backscatter Quality FLMM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have Altimeter Range and Backscatter Quality | CS_OFFL_SIR_IOPR_2_20230315T161047_20230315T161136_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_IOPR_2_20230315T161349_20230315T162039_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_IOPR_2_20230315T163422_20230315T163847_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COCOG | CS_OFFL_SIR_IOPR_2_20230315T163422_20230315T163847_C001 | 3 | The OCOG Range and Backscatter Quality Flags have been set for one or more records |

| CS_OFFL_SIR_IOPR_2_20230315T174518_20230315T174721_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_IOPR_2_20230315T175213_20230315T175730_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_IOPR_2_20230315T193016_20230315T194006_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_IOPR_2_20230315T194007_20230315T194032_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_IOPR_2_20230315T210811_20230315T211544_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_IOPR_2_20230315T211610_20230315T212108_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_IOPR_2_20230315T212759_20230315T212847_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_IOPR_2_20230315T224420_20230315T224549_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_IOPR_2_20230315T224552_20230315T225348_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_IOPR_2_20230315T225348_20230315T225512_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_IOPR_2_20230315T225931_20230315T230255_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records | | | | |
| L2 Quality Flags (1 Hz & 1 Hz PLRM) | ' | | | | | |
| Currently, there are several common flags raised in the Level 2 products, v | which are summarised below. | | | | | |
| > 1 Hz and 1 Hz Ocean SSHA Quality Flags: These flags are currently set for | products over sea ice, which is to be expected | d. The number of products with this error flag set is given below. | | | | |
| Number of products with errors: 209 | | | | | | |
| 5.8 L2 Ocean Retracking Quality Check | | | | | | |
| L2 Retracking Flags (20 Hz) | | | | | | |
| CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz measu | rement record. The bit value of this flag indica | ates any problems when set. | | | | |
| > Ocean Retracking Quality Flag: This flag is currently set for products over la | and and sea ice, but this is to be expected. The | e number of products with this error flag set is given below. | | | | |
| Number of products with errors: 72 | | | | | | |
| L2 Retracking Flags (20 Hz PLRM) | | | | | | |
| CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz PLRM measurement record. The bit value of this flag indicates any problems when set. | | | | | | |
| > Ocean Retracking Quality Flag (PLRM): This flag is currently set for products IOPR and IOPN products over sea ice, but this is to be expected. The number of products with this error flag set is given below. | | | | | | |
| Number of products with errors: 147 | | | | | | |
| 6. IOP L2 Pole-to-Pole Data Quality Check | | | | | | |
| 6.1 P2P Product Format Check | | | | | | |
| | and the second state of the state | | | | | |
| Each product, retrieved and unpacked from the science server, is checked to en Number of products with errors: 0 | isure it consists of both an XML header file (.I | וואט) and a NetCDF product file (.nc). | | | | |
| | | | | | | |
| 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 a | nd/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. 0

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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

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

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

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

Number of products with errors: 29

| Product | Test Failed | Description |
|--|---|---|
| CS_OFFL_SIR_IOP_2_20230314T234301_20230315T003240_C002 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_2_20230315T003240_20230315T012216_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) |
| CS_OFFL_SIR_IOP_220230315T012216_20230315T021154_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) |
| CS_OFFL_SIR_IOP_2_20230315T021154_20230315T030131_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) |
| CS_OFFL_SIR_IOP_220230315T030131_20230315T035109_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) |
| CS_OFFL_SIR_IOP_220230315T035109_20230315T044045_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 (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_IOP_220230315T044045_20230315T053024_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records |
| CS_OFFL_SIR_IOP_220230315T053024_20230315T062000_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 (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_IOP_2_20230315T062000_20230315T070938_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) |
| CS_OFFL_SIR_IOP_220230315T070938_20230315T075915_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) |
| CS_OFFL_SIR_IOP_220230315T075915_20230315T084853_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records |
| CS_OFFL_SIR_IOP_2_20230315T084853_20230315T093829_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) |
| CS_OFFL_SIR_IOP_2_20230315T093829_20230315T102808_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) |
| CS_OFFL_SIR_IOP_2_20230315T102808_20230315T111744_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) |
| CS_OFFL_SIR_IOP_220230315T111744_20230315T120723_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) |
| CS_OFFL_SIR_IOP_220230315T120723_20230315T125659_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 (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_IOP_220230315T134637_20230315T143613_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) |
| CS_OFFL_SIR_IOP_220230315T143613_20230315T152552_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) |
| CS_OFFL_SIR_IOP_220230315T152552_20230315T161528_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records |
| CS_OFFL_SIR_IOP_220230315T161528_20230315T170507_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) |
| CS_OFFL_SIR_IOP_220230315T170507_20230315T175443_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) |
| CS_OFFL_SIR_IOP_2_20230315T175443_20230315T184421_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) |
| CS_OFFL_SIR_IOP_220230315T184421_20230315T193358_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) |
| CS_OFFL_SIR_IOP_220230315T193358_20230315T202336_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) |
| CS_OFFL_SIR_IOP_220230315T202336_20230315T211312_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) |
| CS_OFFL_SIR_IOP_220230315T211312_20230315T220251_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) |
| CS_OFFL_SIR_IOP_220230315T220251_20230315T225227_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) |
| CS_OFFL_SIR_IOP_220230315T225227_20230315T234205_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) |
| CS_OFFL_SIR_IOP_220230315T234205_20230316T003142_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records |

6.5 P2P Measurement Confidence Data Check

CryoSat P2P data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

0

| 6.6 P2P Measurement Quality Flag Check | | | | | | |
|---|---|--|--|--|--|--|
| P2P Quality Flags (20 Hz) | | | | | | |
| CryoSat P2P data includes Quality Flags for | r each 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products. | | | | | |
| Since the P2P Quality Flags are copied d below. | lirectly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected. The number of P2P products affected is given | | | | | |
| Number of products with errors: | 29 | | | | | |
| P2P Quality Flags (20 Hz PLRM) | | | | | | |
| Since the P2P Quality Flags are copied d below. | lirectly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected. The number of P2P products affected is given | | | | | |
| Number of products with errors: | 27 | | | | | |
| P2P Quality Flags (1 Hz & 1 Hz P | PLRM) | | | | | |
| Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the number of L2 products affected. The number of P2P products affected is given below. | | | | | | |
| Number of products with errors: | 29 | | | | | |
| 6.8 P2P Ocean Retracking Quality Check | | | | | | |
| P2P Retracking Flags (20 Hz) | | | | | | |
| Cryosat P2P data includes an ocean retrack | xing quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set. | | | | | |
| > Ocean Retracking Quality Flag (PLRM): | : This flag is currently set for products IOPR and IOPN products over sea ice, but this is to be expected. | | | | | |

Number of products with errors:

P2P Retracking Flags PLRM

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

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

4

28

29

Number of products with errors:

7. IOP 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_IOPM1B | 199 | 199 | 4 | 195 | 0 |
| SIR_IOPR1B | 157 | 111 | 5 | 106 | 0 |
| SIR_IOPN1B | 111 | 157 | 0 | 157 | 0 |
| SIR_IOPM_2 | 199 | 199 | 139 | 60 | 0 |
| SIR_IOPR_2 | 157 | 111 | 42 | 69 | 0 |
| SIR_IOPN_2 | 111 | 157 | 81 | 75 | 1 |
| SIR_IOP_P2P | 28 | 28 | 0 | 28 | 0 |

7.1 QCC Errors

Number of QCC reports with errors:

| Total number of occurrences of each error | | | | | | | | | | | |
|---|------------|----|------------|----|---|---|---|---|---|---|---|
| Product Type | RLOBOPNCDF | RL | RLOBOPNCDF | RL | - | - | - | - | - | - | - |
| SIR_IOPR_2 | 1 | 1 | 1 | 1 | | | | | | | |

| Test Description Key: | | |
|-----------------------|---------------------------------|--|
| Abbreviation | Test name | Details |
| RLOBOPNCDF | RangeLatitudeOrBlankOP_7NetCDF | Latitude should be between -90E7 and 90E7 |
| RL | RangeLatitude_7 | Latitude should be between -90E7 and 90E7 |
| RLOBOPNCDF | RangeLongitudeOrBlankOP_7NetCDF | Longitude should be between -180E7 and 180E7 |
| RL | RangeLongitude_7 | Longitude should be between -180E7 and 180E7 |

7.2 QCC Warnings

| | | | Total nun | nber of occurrences of | each warning | | |
|--------------|---------------|-------------------|-----------------|------------------------|----------------------|------------------|-------------------|
| Product Type | BCSHNCDF | IOHHMOOR | MVIOEPFDNCDF | MVIOEPNCDF | MVIONCDF | RBSZOPOEPFDNCDF | RBSZOPOEPFDPLRMNC |
| SIR_IOPM1B | 195 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPM_2 | 0 | 0 | 49 | 46 | 1 | 45 | 0 |
| SIR_IOPN1B | 104 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPN_2 | 0 | 0 | 10 | 26 | 7 | 23 | 28 |
| SIR_IOPR1B | 150 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPR_2 | 0 | 1 | 20 | 34 | 0 | 25 | 16 |
| | · | | | | | | |
| Product Type | RBSZOPOEPNCDF | RNELPOTONCDF | RPEPOPFDLRMNCDF | RPEPOPFDPLRMSARN | CERPEPOPFDPLRMSINNCE | RPEPOPFDSARNCDF | RPEPOPFDSINNCDF |
| SIR_IOPM1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPM_2 | 36 | 1 | 41 | 0 | 0 | 0 | 0 |
| SIR_IOPN1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPN_2 | 14 | 0 | 0 | 0 | 16 | 0 | 26 |
| SIR_IOPR1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPR_2 | 6 | 3 | 0 | 35 | 0 | 43 | 0 |
| | | | | | | | |
| Product Type | RPEPOPLRMNCDF | RPEPOPSARNCDF | RPEPOPSINNCDF | RSSBCONCDF | RSSHAOFDNCDF | RSSHAOFDPLRMNCDF | RSSHAONCDF |
| SIR_IOPM1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPM_2 | 33 | 0 | 0 | 5 | 30 | 0 | 3 |
| SIR_IOPN1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPN_2 | 0 | 0 | 16 | 16 | 46 | 56 | 30 |
| SIR_IOPR1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPR_2 | 0 | 33 | 0 | 6 | 59 | 22 | 7 |
| | | | | | | | |
| Product Type | RSWHOEPFDNCDF | RSWHOEPFDPLRMNCDF | RSWHOEPNCDF | SPHRTASCNSNCDF | SOOHHIFHD | SCSTODHRNCDF | SCSTODNCDF |
| SIR_IOPM1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| SIR_IOPM_2 | 38 | 0 | 2 | 0 | 0 | 0 | 0 |
|-------------------------|-----------------|---------------------|-------------------------|-------------------|-------------------|-------------------|------------------------|
| SIR_IOPN1B | 0 | 0 | 0 | 0 | 0 | 46 | 3 |
| SIR_IOPN_2 | 26 | 27 | 15 | 0 | 0 | 0 | 0 |
| SIR_IOPR1B | 0 | 0 | 0 | 1 | 0 | 157 | 13 |
| SIR_IOPR_2 | 24 | 34 | 3 | 0 | 3 | 0 | 0 |
| | | | | | | | |
| Product Type | IOHHMOOR | MVIOEPFDNCDF | MVIOEPNCDF | MVIONCDF | RBSZOPOEPFDNCDF | RBSZOPOEPFDPLRMNC | RBSZOPOEPNCDF |
| SIR_IOP_2_ | 17 | 27 | 28 | 7 | 27 | 15 | 24 |
| | | | | | | | |
| | DUEL DOTOUGDE | | | | | | |
| Product Type | RNELPOTONCDF | RPEPOPFDPLRMSINNCD | RPEPOPEDSINNCDE | RPEPOPSINNCDF | RSSBCONCDF | RSSHAOFDNCDF | RSSHAOFDPLRMNCDF |
| SIR_IOP_2_ | 1 | | 23 | 14 | 15 | 28 | RSSHAOFDPLRMNCDF 17 |
| | 1 | | | | | | |
| | RSSHAONCDF | 13 | | 14 | | | |
| SIR_IOP_2_ | 1 | 13 RSWHOEPFDNCDF | 23 | 14 | 15 | | |
| SIR_IOP_2_ Product Type | 1 RSSHAONCDF | 13 RSWHOEPFDNCDF | 23 RSWHOEPFDPLRMNCDF | 14 RSWHOEPNCDF | 15 SPHLPQWNCDF | | |
| SIR_IOP_2_ Product Type | 1 RSSHAONCDF | 13 RSWHOEPFDNCDF | 23 RSWHOEPFDPLRMNCDF | 14 RSWHOEPNCDF | 15 SPHLPQWNCDF | | |

| Test Description Key: | | | | | | | |
|-------------------------|---|---|--|--|--|--|--|
| Abbreviation | Test name | Details | | | | | |
| BCSHNCDF | BurstCounterStep20HzNetCDF | The burst counter should be one higher with regard to the previous burst counter | | | | | |
| IOHHMOOR | IndexOf1Hzin20HzMappingOutOfRange | The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1) | | | | | |
| MVIOEPFDNCDF | MissingValueIntOceanExcludingPolarFD2NetCDF | The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees | | | | | |
| MVIOEPNCDF | MissingValueIntOceanExcludingPolarNetCDF | The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees | | | | | |
| MVIONCDF | MissingValueIntOceanNetCDF | The value should not be a 'missing value' for surface type 0 only | | | | | |
| RBSZOPOEPFDNCDF | RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF | The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | |
| RBSZOPOEPFDPLRM NCDF | RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF | The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | |
| RBSZOPOEPNCDF | RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF | The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | |
| RNELPOTONCDF | RangeNELPOceanTideOceanNetCDF | The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean | | | | | |
| RPEPOPFDLRMNCDF | RangePeakinessExcludingPolarOPFD2LRMNetCDF | The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | |
| RPEPOPFDPLRMSAR NCDF | RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF | The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | |
| RPEPOPFDPLRMSINN CDF | RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF | The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | |
| RPEPOPFDSARNCDF | RangePeakinessExcludingPolarOPFD2SARNetCDF | The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | |
| RPEPOPFDSINNCDF | RangePeakinessExcludingPolarOPFD2SINNetCDF | The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | |
| RPEPOPLRMNCDF | RangePeakinessExcludingPolarOPLRMNetCDF | The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | |
| RPEPOPSARNCDF | RangePeakinessExcludingPolarOPSARNetCDF | The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | |
| RPEPOPSINNCDF | RangePeakinessExcludingPolarOPSINNetCDF | The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | |
| RSSBCONCDF | RangeSeaStateBiasCorrectionOceanNetCDF | The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean | | | | | |
| RSSHAOFDNCDF | RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF | The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean | | | | | |
| RSSHAOFDPLRMNCD F | RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF | The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean | | | | | |
| RSSHAONCDF | RangeSeaSurfaceHeightAnomalyOceanNetCDF | The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean | | | | | |
| RSWHOEPFDNCDF | RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF | The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | |
| RSWHOEPFDPLRMNC DF | RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF | The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | |
| RSWHOEPNCDF | RangeSignificantWaveHeightOceanExcludingPolarNetCDF | The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | | | |
| SPHRTASCNSNCDF | SPH_Rel_Time_ASC_Node_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 | | | | | |
| SCSTODHRNCDF | SequenceCounterStepTODHRNetCDF | The sequence counter should be modulo 4 higher with regard to the previous sequence counter | | | | | |
| SCSTODNCDF | SequenceCounterStepTODNetCDF | The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter | | | | | |
| | | | | | | | |

7.3 Missing QCC Reports

Number of products with missing QCC reports: