

QA4EO Daily Report for IOP data:

<u>10/12/2022</u>

IDEAS-QA4E0

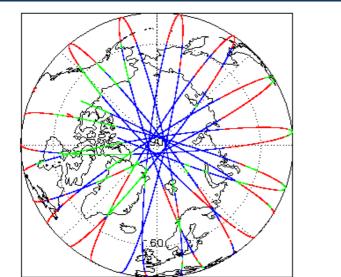
| Demonst Due du etiem. | 14-Dec-2022 | Check | L1 & L2 | P2P |
|----------------------------|--------------------------------------|--|------------------------------|----------------------|
| Report Production: | 14-Dec-2022 | Server check: science-pds.cryosat.esa.int | Nominal | Nominal |
| Processor Used: | CrueSet Oscan Brasses | 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 |
| Data Useu: | L1B, L2 & P2P Science Data | Product Header Analysis | Nominal | Nominal |
| | | Auxiliary Data File Usage Check | Nominal | Nominal |
| We would | love to hear from you! | Auxiliary Correction Error Check | See Section 5.4 | See Section 6.4 |
| | your feedback about these daily | Measurement Confidence Data Check | See Section 4.5, 4.6 and 5.5 | See Section 6.5 |
| uality reports: What | t do you like/ dislike? What quality | Range, SWH & Backscatter Measurement Check | See Section 5.6 | See Section 6.6 |
| information do you | u need? Send your feedback to | Ocean Retracking Quality Check | See Section 5.7 | See Section 6.7 |
| cs2_qc_team@telespazio.com | | QCC Error/ Warning Check | See Section 7.1 and 7.2 | See Section 7.1, 7.2 |

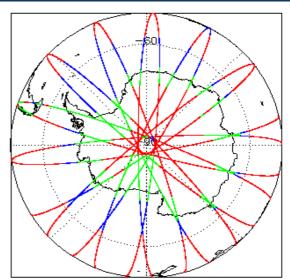
1. Overview

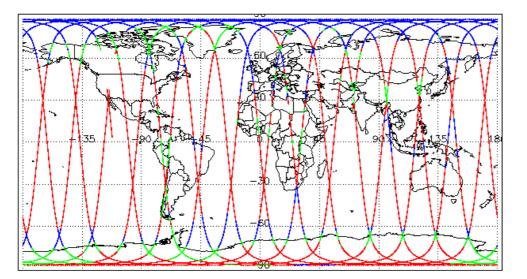
| | Mission / Instrument News | | |
|-------------|---------------------------|-----------------|--|
| 09-Dec-2022 | | None | |
| 10-Dec-2022 | | None | |
| | 11-Dec-2022 | Nothing planned | |

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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).

| 4.2 L1B Product Header Analysis | | |
|---|--|---|
| For all products, a series of pre-defined checks are performed on the MPH and | SPH in order to identify any inconsiste | encies and/or errors raised by the ground-segment processing chain. |
| Number of products with errors: 0 | | |
| 4.3 L1B Auxilary Data File Usage Check | | |
| Each product is checked for missing Data Set Descriptors with respect to a pre- | e-determined baseline and also to chec | k the validity of Auxiliary Data Files is correct. |
| Number of products with errors: 0 | | |
| 4.4 L1B Auxiliary Correction Error Check | | |
| CryoSat L1B data includes a correction error flag for each measurement record | d. The bit value of this flag indicates an | y problems when set. |
| Number of products with errors: 0 | | |
| 4.5 L1B Measurement Confidence Data Check | | |
| CryoSat L1B data includes a measurement confidence flag for each measurem | nent record. The bit value of this flag in | dicates any problems when set. |
| > Attitude Correction Missing: This flag is currently set in error for IOPR procupdate. | ducts 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: 2 | | |
| Product | Test Failed | Description |
| CS_OFFL_SIR_IOPM1B_20221210T023033_20221210T023650_C001 | Power scaling error | There is an error in the scaling of the L1B waveform for one or more records |
| CS_OFFL_SIR_IOPM1B_20221210T190513_20221210T191741_C001 | Power scaling error | There is an error in the scaling of the L1B waveform for one or more records |
| 4.6.L.1.B. Wayoform Group Data Chook | | |
| 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_20221210T081510_20221210T082433_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPM1B_20221210T085133_20221210T090150_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPM1B_20221210T152615_20221210T155937_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPM1B_20221210T195048_20221210T200415_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPM1B_20221210T212020_20221210T212445_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20221210T061140_20221210T061715_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20221210T075553_20221210T075731_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20221210T084136_20221210T084244_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20221210T091541_20221210T091921_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20221210T102053_20221210T102647_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20221210T151010_20221210T151113_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20221210T211051_20221210T211240_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20221210T214630_20221210T215142_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20221210T015752_20221210T020523_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20221210T033329_20221210T034327_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20221210T052227_20221210T053713_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20221210T060009_20221210T060708_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20221210T124024_20221210T124311_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20221210T133338_20221210T134306_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20221210T150104_20221210T150158_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20221210T164319_20221210T164634_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).

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: 0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

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).

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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.

| Product | Test Failed | Description |
|---|---|---|
| CS_OFFL_SIR_IOPM_2_20221210T081510_20221210T082433_C001 | Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT) | There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_IOPM_2_20221210T203010_20221210T204036_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_IOPM_2_20221210T233911_20221210T234004_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_20221210T001706_20221210T001940_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_20221210T011642_20221210T011819_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_20221210T024649_20221210T024806_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_20221210T025339_20221210T025657_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_20221210T042610_20221210T042727_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_20221210T043236_20221210T043548_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_20221210T060708_20221210T060943_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_20221210T061140_20221210T061715_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_20221210T070229_20221210T070727_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_20221210T074607_20221210T074848_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_20221210T084136_20221210T084244_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_20221210T091541_20221210T091921_C001 | Mean Dynamic Topography (1), 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 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records |
| CS_OFFL_SIR_IOPN_2_20221210T102053_20221210T102647_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_20221210T111341_20221210T111607_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_20221210T124312_20221210T124454_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_20221210T142322_20221210T142652_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_20221210T160234_20221210T160555_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_20221210T165300_20221210T165441_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_20221210T175010_20221210T175119_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_20221210T192712_20221210T192907_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_20221210T201122_20221210T201304_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_20221210T210546_20221210T211044_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_20221210T214630_20221210T215142_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_20221210T223623_20221210T223922_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_20221210T224551_20221210T224839_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_20221210T232630_20221210T233006_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_20221210T001940_20221210T002727_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) |

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|---|---|---|
| CS_OFFL_SIR_IOPR_2_20221210T015752_20221210T020523_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_20221210T021436_20221210T021633_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_20221210T033329_20221210T034327_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_20221210T034327_20221210T034450_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_20221210T051550_20221210T052227_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_20221210T052227_20221210T053713_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_20221210T065656_20221210T070119_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_20221210T070119_20221210T070228_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_20221210T074104_20221210T074607_C001 | Mean Sea Surface (1) | There is an error with the MSS height (solution 1) for one or more records |
| CS_OFFL_SIR_IOPR_2_20221210T083501_20221210T083753_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_20221210T083753_20221210T084136_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_20221210T101421_20221210T102052_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_20221210T115613_20221210T120107_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_20221210T133338_20221210T134306_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_20221210T151355_20221210T152158_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_20221210T165442_20221210T170152_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_20221210T170225_20221210T170341_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_IOPR_2_20221210T183349_20221210T184109_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_20221210T194834_20221210T195048_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_IOPR_2_20221210T201304_20221210T201951_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_20221210T215142_20221210T215843_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_20221210T233006_20221210T233225_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_20221210T233225_20221210T233911_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 |

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: 2 | | |
|---|---------------------|--|
| Product | Test Failed | Description |
| CS_OFFL_SIR_IOPM_2_20221210T023033_20221210T023650_C001 | Power scaling error | There is an error in the scaling of the L1B waveform for one or more records |
| CS_OFFL_SIR_IOPM_2_20221210T190513_20221210T191741_C001 | Power scaling error | There is an error in the scaling of the L1B waveform for one or more records |

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.

| Product | Test Failed | Description |
|---|--|---|
| CS_OFFL_SIR_IOPM_2_20221209T234038_20221210T000829_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_20221210T000857_20221210T000921_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_20221210T004109_20221210T010529_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_20221210T010807_20221210T011306_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_20221210T012117_20221210T015437_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_20221210T020710_20221210T020911_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_20221210T023955_20221210T024335_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_20221210T024806_20221210T025338_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_20221210T030020_20221210T033328_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_20221210T034637_20221210T034753_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_20221210T040604_20221210T042237_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_20221210T042727_20221210T043235_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_20221210T043855_20221210T051242_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_20221210T053713_20221210T054146_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_20221210T054229_20221210T060009_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_20221210T060943_20221210T061140_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_20221210T061853_20221210T063252_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_20221210T063413_20221210T063600_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_20221210T064041_20221210T064923_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_20221210T065432_20221210T065434_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_20221210T070743_20221210T072520_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_20221210T072657_20221210T074103_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_20221210T075153_20221210T075553_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| | | |

| D_C_DMDU_DU_DU_DUPUT_SERVICESERU_LEXEXTENTISEERU_DUPUT Description Description Description Description D_C_DMDU_DUPUT_SERVICESERU_REXERUEDUSCUUT DESCRIPTIONESERU_REXERUEDUSCUUT DESCRIPTIONESERU_REXERUEDUSCUUT DESCRIPTIONESERUERUSCUUT DESCRIPIERUERUSCUUT DESCRIPTIONESERUERUSCU | CS_OFFL_SIR_IOPM_2_20221210T075748_20221210T081253_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 |
|---|---|--|---|
| Citer, Jim, Ohn, J., Noth Jonaton and J. (2003) Balacteria Guary be not or man exocid. Citer, Jim, Ohn, J., Noth Jonaton and J., Sold Jonaton and J. (2004) Citer, Sim, Ohn, J. (2004) be Coter. A limit forge and Balacteria Guary Flags have been and and or man exocid. Citer, Jim, Ohn, J., Noth Jonaton and J. (2004) Citer, Sim, Ohn, J. (2004) be Coter. A limit forge and Balacteria Guary Flags have been and and and program balacteria. Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Co | CS_OFFL_SIR_IOPM_2_20221210T081510_20221210T082433_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CC_00TL_SH1_UMU_CLASSI 101 UNITED_LASSI 101 UNITED_ | CS_OFFL_SIR_IOPM_2_20221210T083018_20221210T083030_C001 | | |
| CB_CPFL_SBL_DPFL_2X22101073822_0222101073820_0001 instruct Range and Resource Castly Range and Range | CS_OFFL_SIR_IOPM_2_20221210T084244_20221210T084346_C001 | | |
| CB: 0FFL SR: 0FM_2 3021210100010_0001 and Balacester Quarky Color member 00000 Almeter Regin SN: | CS_OFFL_SIR_IOPM_2_20221210T085022_20221210T085101_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| DS_OFFL_SR_UOM_2_R0221210100346_0201 michaecater Cualty COG michaecater Cualty COG DS_OFFL_SR_UOM_2_R0221210100346_0201 Dear Alimeter Regra and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210100346_0201 Dear Alimeter Regra SSIA, SWI and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210100346_0201 Dear Alimeter Regra SSIA, SWI and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210100345_0201 DOGA Alimeter Regra SSIA, SWI and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210100345_020121010027_0001 DOGA Alimeter Regra SSIA, SWI and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210100345_0201210110227_0001 Doar Alimeter Regra SSIA, SWI and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210110027_0001 Doar Alimeter Regra SSIA, SWI and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210110027_0001 Doar Alimeter Regra SSIA, SWI and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210111027_0001 Doar Alimeter Regra SSIA, SWI and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210111027_0001 DOGG Alimeter Regra SSIA, SWI and Backacater Cualty CS_OFFL_SR_UOM_2_R0221210111028_0001 DOGG Alimeter Regra SSIA, SWI and Backacater Cualty CS_OFFL_SR_UOM_2_R0221210111028_0001 DOGG Alimeter Regra SSIA, SWI and SSIA SSIA, SWI and SSIA SSIA, SWI and SSIA SSIA SSIA SSIA SSIA The COGA Alimeter Regra SSIA, SWI and SSIA SSIA SSIA SSIA SSIA SSIA SSIA SSIA | CS_OFFL_SIR_IOPM_2_20221210T085133_20221210T090150_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CB: OFFL.SBI. JOPM. 2. 80221210708292. 2021210708292. 2001 and Baskaster Cuality, COG and Paskaster Cuality, COG and Paskaster Cuality, COG CB: OFFL.SBI. JOPM. 2. 80221210708292. 20212107018292. 202121070118292. 2001 COGG Allereter Range, SSIA, SWI and Baskaster Cuality Range New New New New New New New New New Ne | CS_OFFL_SIR_IOPM_2_20221210T090946_20221210T091540_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Durb Descure Descure <thdescure< th=""> <thdescure< th=""> <thdesc< td=""><td>CS_OFFL_SIR_IOPM_2_20221210T091921_20221210T092309_C001</td><td>and Backscatter Quality, OCOG</td><td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td></thdesc<></thdescure<></thdescure<> | CS_OFFL_SIR_IOPM_2_20221210T091921_20221210T092309_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| C20_OFFL_SIR_OPM_2_0221210T109352_0221210T109352_02011 and Backsaster Quality Algo and Ite OCIO Allineter Range and Backsaster Quality Fage have been af Market Range and Backsaster Quality Fage have been | CS_OFFL_SIR_IOPM_2_20221210T092652_20221210T093456_C001 | | |
| C8_OFFL_SIR_JOPM_2_20221210T110231_20221210T110232_C001 and Badscatter Cuality, C00G and the C00C Altimeter Range and Badscatter Cuality Flags have been set C8_OFFL_SIR_JOPM_2_20221210T110533_00221210T1110730_C001 C00C0 Altimeter Range Cuality, C00D The C00C0 Altimeter Range and Badscatter Cuality Flags have been set C8_OFFL_SIR_JOPM_2_20221210T1110530_00221210T111041_C001 C00C0 Altimeter Range Cuality, C00D The C00C0 Altimeter Range and Badscatter Cuality Flags have been set C8_OFFL_SIR_JOPM_2_20221210T111052_20221210T111052_C021 C0cen Altimeter Range, SSHA, SWH and Backscatter Cuality Flags have been set for one rance records C8_OFFL_SIR_JOPM_2_20221210T121052_C021 C0cen Altimeter Range, SSHA, SWH and Backscatter Cuality Flags have been set for one rance records C8_OFFL_SIR_JOPM_2_20221210T131564_C021 C0cen Altimeter Range, SSHA, SWH and Backscatter Cuality Flags have been set for one rance records C8_OFFL_SIR_JOPM_2_20221210T131556_0221210T131564_0201 C0cen Altimeter Range, SSHA, SWH and Backscatter Cuality Flags have been set for one rance records C8_OFFL_SIR_JOPM_2_20221210T131556_0201 C0cen Altimeter Range, SSHA, SWH and Backscatter Cuality Flags have been set for one rance records C8_OFFL_SIR_JOPM_2_20221210T131555_020211 C0cen Alti | CS_OFFL_SIR_IOPM_2_20221210T093735_20221210T095222_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Backscatter Quality tor one or more records tor one or more records Cos_OFFL_SIR_JOPM_2_20221210T110610_20221210T111941_C001 Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T110610_20221210T111941_C001 Cos on Minister Range Quality.COOG Alimeter Range SIAL SWH and Backscatter Quality The Occan Alimeter Range SIAL SWH and Backscatter Quality Flags have been after one or more records Cos_OFFL_SIR_JOPM_2_20221210T110512_20221210T114522_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T12338_20221210T125227_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T12338_20221210T125227_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T125201_2022120T13554_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T125201_202120T13554_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T13556_20221210T13554_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T13556_20221210T13554_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T13556_20221210T13558_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T13538_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos OCA Alimeter Range and Backscatter Quality Flags have been at the OCOO Alimeter Range SIAL SWH and Backscatter Quality Flags and the OCOO Alimeter Range and Backscatter Quality Flags and the OCOO Alimeter Range and Backscatter Quality Flags and the OCOO Alimeter Range and Backscatter Quality Flags and the OCOO Alimeter Range and Backscatter Quality Flags and the OCOO Alimeter Range and Backscatter Quality Flags and the OCOO Alimeter Range and Backscatter Quality | CS_OFFL_SIR_IOPM_2_20221210T102931_20221210T110227_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_DFR_SIR_DOPM_2_20221210T1110810_20221210T111132 Backscatter Quality for one or more records CS_OFR_SIR_IOPM_2_20221210T111082_20221210T11112222 Open Atlineter Range SINA_SWH The Ocean Atlineter Range and Backscatter Quality Flags have been and the OCOA Atlineter Range and Backscatter Quality Flags have been and bac | CS_OFFL_SIR_IOPM_2_20221210T110533_20221210T110739_C001 | | |
| CS_OFFL_SIR_IOPM_2_20221210T111152_20221210T114127_C001 and Backscatter Quality, COCG Attemeter Range and Backscatter Quality, Flags have been after one an orne needed. CS_OFFL_SIR_IOPM_2_20221210T121338_20221210T124024_C001 Cocean Attimeter Range, SSHA, SWH and Backscatter Quality, COCG Attemeter Range and Backscatter Quality, Flags have been Attemeter Range and Backscatter Quality, Flags have been and backscatter Quality, Flags have been atter on an orne records. CS_OFFL_SIR_IOPM_2_20221210T124742_20221210T124024_C001 Cocean Attimeter Range, SSHA, SWH and Backscatter Quality, COCG Attemeter Range and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20221210T125601_20221210T131554_C001 Cocean Attimeter Range SSHA, SWH and Backscatter Quality, COCG Attemeter Range and Backscatter Quality, COCG Attemeter Range and Backscatter Quality, COCG Attemeter Range and Backscatter Quality, Flags have been and the COCG Attemeter Range SSHA, SWH and Backscatter Quality Flags and the COCG Attemeter Range SSHA, SWH and Backscatter Quality Flags and the COCG Attemeter Range SSHA, SWH and Backscatter Quality, Flags and the COCG Attemeter Range SSHA, SWH and Backscatter Quality, Flags and the COCG Attemeter Range SSHA, SWH and Backscatter Quality, Flags have been attor on or nore records CS_OFFL_SIR_IOPM_2_20221210T133135_20221210T133335_C001 Cocean Attimeter Range, SSHA, SWH and Backscatter Quality, Flags have been attor on or nore records CS_OFFL_SIR_IOPM_2_20221210T134712_20221210T14938_C001 Cocean Attimeter Range, SSHA, SWH and Backscatter Quality, Flags have been attor on or nore records CS_OFFL_SIR_IOPM_2_20221210T134732_20221210T14935_Q001 Cocean Attimeter Range, SSHA, SWH and Backscatter Quality, Flags have been at | CS_OFFL_SIR_IOPM_2_20221210T110810_20221210T111341_C001 | | |
| CS_OFFL_SIR_IOPM_2_20221210T123136_20221210T12424_0001 and Backscater Qualy, OCOG Attimeter Range and Backscater Qualy The OCOG Attimeter Range and Backscater Qualy set for one or more records CS_OFFL_SIR_IOPM_2_20221210T125601_20221210T125227_0001 OCOG Attimeter Range Quality, OCOG Backscater Quality The OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T125601_20221210T131554_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T131556_20221210T132560_001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality, Coog Attimeter Range, SSHA, SWH and Backscatter Quality, Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T14472 Cocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been and backscatter Quality, Coog Attimeter Range and Backscatter Quality, Coog Attime | CS_OFFL_SIR_IOPM_2_20221210T111652_20221210T114127_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| US_OFFL_SIR_IOPM_2_20221210T125601_20221210T131554_2001 Backscatter Quality tor one or more records GS_OFFL_SIR_IOPM_2_20221210T125601_20221210T131554_2001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T142552_20221210T143537_20221210T143537_20221210T151354_2001 Ocean Altimeter Range, | CS_OFFL_SIR_IOPM_2_20221210T121336_20221210T124024_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPM_2_20221210T132561_20221210T131554_C001 and Backscatter Quality Code Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality Code Altimeter Range and Backscatter Quality Code Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality COGE Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T142652_20221210T143537_20221210T144011_C001 Occean Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Ba | CS_OFFL_SIR_IOPM_2_20221210T124742_20221210T125227_C001 | | |
| CS_OFFL_SIR_IOPM_2_20221210T131556_20221210T132358_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records CS_OFFL_SIR_IOPM_2_20221210T133135_20221210T133338_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221210T133135_20221210T133338_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221210T134712_20221210T141938_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221210T144712_20221210T141938_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221210T142652_20221210T143232_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality CS_OFFL_SIR_IOPM_2_20221210T143537_20221210T143537_20221210T144011_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T15113_20221210T151354_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T1511354_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T1511354_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T152615_20221210T155937_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been se | CS_OFFL_SIR_IOPM_2_20221210T125601_20221210T131554_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPM_2_20221210T133135_20221210T133338_C001 and Backscatter Quality, OCCG Attimeter Range and Backscatter Quality, OCCG Backscatter Quality The OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T142652_20221210T143223_C001 OCCG Attimeter Range, SSHA, SWH and Backscatter Quality, OCCG Backscatter Quality The OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T143537_20221210T144011_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality, OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been ad the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags tor one or more records CS_OFFL_SIR_IOPM_2_20221210T152615_20221210T155937_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality, OCCG Attimeter Range and Backscatter Qual | CS_OFFL_SIR_IOPM_2_20221210T131556_20221210T132358_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPM_2_20221210T134712_20221210T141938_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T142652_20221210T143223_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_20221210T142652_20221210T143233_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Iss and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T151113_20221210T151354_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221210T152615_20221210T155937_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range 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_20221210T152615_20221210T155937_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags hard backscatter Quality The Ocean Altimeter Range and Backscatter Qu | CS_OFFL_SIR_IOPM_2_20221210T133135_20221210T133338_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPM_2_202212101142652_202212101143223_C001 Backscatter Quality for one or more records CS_OFFL_SIR_IOPM_2_202212101142652_202212101143537_202212101144011_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags for one or more records CS_OFFL_SIR_IOPM_2_20221210T152615_20221210T155937_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been St for one or more records CS_OFFL_SIR_IOPM_2_20221210T160555_20221210T161109_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality Flags have been St for one or more records CS_OFFL_SIR_IOPM_2_20221210T161551_20221210T163249_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records | CS_OFFL_SIR_IOPM_2_20221210T134712_20221210T141938_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPM_2_20221210T143537_20221210T144011_C001and Backscatter Quality, OCOG Altimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221210T151113_20221210T151354_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter QualityThe Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221210T152615_20221210T155937_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221210T152615_20221210T16109_C001Ocean Altimeter Range Quality, OCOG Backscatter QualityThe OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221210T160555_20221210T161109_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOGThe OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221210T161551_20221210T163249_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOGThe OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backs | CS_OFFL_SIR_IOPM_2_20221210T142652_20221210T143223_C001 | | |
| CS_OFFL_SIR_IOPM_2_20221210T151113_20221210T151354_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T152615_20221210T155937_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T160555_20221210T161109_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_20221210T160555_20221210T161109_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T161551_20221210T163249_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been | CS_OFFL_SIR_IOPM_2_20221210T143537_20221210T144011_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPM_2_20221210T152615_20221210T155937_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T160555_20221210T161109_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_20221210T161551_20221210T161249_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been | CS_OFFL_SIR_IOPM_2_20221210T151113_20221210T151354_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPM_2_20221210T160555_20221210T161109_C001 Backscatter Quality for one or more records CS_OFFL_SIR_IOPM_2_20221210T161551_20221210T163249_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been | CS_OFFL_SIR_IOPM_2_20221210T152615_20221210T155937_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPM_2_20221210T161551_20221210T163249_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been | CS_OFFL_SIR_IOPM_2_20221210T160555_20221210T161109_C001 | | |
| | CS_OFFL_SIR_IOPM_2_20221210T161551_20221210T163249_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |

| CS_OFFL_SIR_IOPM_2_20221210T170432_20221210T172503_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_20221210T172508_20221210T173809_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_20221210T174137_20221210T174556_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_20221210T174602_20221210T174610_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_20221210T174615_20221210T175009_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_20221210T175457_20221210T182832_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_20221210T182954_20221210T183240_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_20221210T184426_20221210T185533_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_20221210T190015_20221210T190401_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_20221210T190513_20221210T191741_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_20221210T191938_20221210T192456_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_20221210T192515_20221210T192711_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_20221210T193529_20221210T194834_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_20221210T195048_20221210T200415_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_20221210T200504_20221210T200720_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_20221210T203010_20221210T204036_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_20221210T204215_20221210T205624_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_20221210T205905_20221210T210408_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_20221210T211240_20221210T211338_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_20221210T212020_20221210T212445_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_20221210T213014_20221210T213021_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_20221210T213112_20221210T213426_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_20221210T213549_20221210T214242_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_20221210T220614_20221210T220619_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_20221210T221438_20221210T223513_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_20221210T223922_20221210T224325_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_20221210T225001_20221210T232421_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_20221210T233911_20221210T234004_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_20221210T003042_20221210T003046_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_20221210T061140_20221210T061715_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_20221210T090357_20221210T090945_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_20221210T100202_20221210T100539_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_20221210T114351_20221210T114530_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_20221210T145136_20221210T145251_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_20221210T151010_20221210T151113_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_20221210T183241_20221210T183348_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_20221210T211051_20221210T211240_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_20221210T212446_20221210T212948_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_20221210T015603_20221210T015611_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_20221210T024335_20221210T024649_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_20221210T034928_20221210T035222_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_20221210T051529_20221210T051548_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_20221210T075731_20221210T075748_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_20221210T084503_20221210T084808_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_20221210T125504_20221210T125600_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_20221210T155937_20221210T160234_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_20221210T184301_20221210T184316_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |

L2 Quality Flags (20 Hz PLRM)

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

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

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

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Number of products with errors:

| Product | Test Failed | Description |
|---------|-------------|---|
| | 3 | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| | o i | The OCOG Range and Backscatter Quality Flags have been set for one or more records |

| CS_OFFL_SIR_IOPN_2_20221210T015645_20221210T015751_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_20221210T022109_20221210T022202_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_20221210T022504_20221210T022642_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_20221210T022659_20221210T023033_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_20221210T025339_20221210T025657_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_20221210T034450_20221210T034543_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_20221210T040410_20221210T040603_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_20221210T043236_20221210T043548_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_20221210T060708_20221210T060943_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_20221210T061140_20221210T061715_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_20221210T070229_20221210T070727_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_20221210T082433_20221210T082709_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_20221210T084136_20221210T084244_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_20221210T084347_20221210T084503_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_20221210T090357_20221210T090945_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_20221210T091541_20221210T091921_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_20221210T102053_20221210T102647_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_20221210T114351_20221210T114530_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_20221210T125228_20221210T125245_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_20221210T134306_20221210T134711_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_20221210T142322_20221210T142652_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_20221210T145136_20221210T145251_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_20221210T150435_20221210T150526_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_20221210T160234_20221210T160555_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_20221210T161109_20221210T161233_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_20221210T163249_20221210T163615_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| | 1 | 1 |

| D2 DPL SHL DH D 202012011 KEXX 20212011 KEXX 0011 DD00 Alternative Displant (Alternative | | | |
|---|---|---|--|
| Bit With Bit Unit 2 and Diff 2 a | CS_OFFL_SIR_IOPN_2_20221210T165300_20221210T165441_C001 | | |
| circle GHPL SHR OPPL 2 20212101212440 202111721144 2001 PM Sector Market Fueld Y TIME 0000 Fueld and the Sector Parameter Subt. With a sector memory in the Sector Parameter Subt. With a sector memory interest Parameter Subt. With a sector memory intere | CS_OFFL_SIR_IOPN_2_20221210T202653_20221210T203010_C001 | | |
| Cit, Derit, Jan, Derit, J. 2009 (1172) 142, 2009 and the state of | CS_OFFL_SIR_IOPN_2_20221210T210546_20221210T211044_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CSC UPT _ DM_ CHU C_2007 INTERN_CONTROL (1977) 2007 INTERN_CONT COOD Reduction Carly more records CSC UPT _ DM_ C_000_FL_2_02021 INTERN_CONT COOD Reduction Carly PMR. COOL (1975) 2007 INTERN_CONT The COOD Result of the COOD Anterest Carly PMR. COOL (1975) 2017 INTERN_CONT CSC UPT _ DM_ C_000_FL_2_02021 INTERN_CONT COOD Reduction Carly PMR. COOL (1975) 2017 INTERN_CONT The COOD Result of the COOD Anterest PMR are to Electronic Carly PMR. COOL (1975) 2017 INTERN_CONT CSC UPT _ DM_ CPT _ DM_ | CS_OFFL_SIR_IOPN_2_20221210T211344_20221210T211442_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Bit Der Lish UNIT & Bult Lichtichen Balt Lichtichen Stell, Will Twore reverie 08, DPFL JBFL JOPHL 2, XXXX1167214620, XXXX12617261462, XXX1167214600, XXX12617261462, XXX1167214600, XXX11 | CS_OFFL_SIR_IOPN_2_20221210T212446_20221210T212948_C001 | | |
| B2_OFFL_BIN_UON_2_20221201724158_02222101722118_0001 Hell Baseceller Quily ILML CODE Network Park Internet Registry Base Network Registry Base Net | CS_OFFL_SIR_IOPN_2_20221210T213427_20221210T213549_C001 | | |
| CS_DFT_SR_DUPLE_2002120102055_20021210122455 CCCCG Backscatter Cuality Emer resold. CS_DFT_SR_DOPL_2_20221210722455 CCCCG Backscatter Cuality File Cocco Alterneter Range, SSHA, SWH and Backscatter Cuality Flags. CS_DFT_SR_DOPL_2_20221210722455 CCCCG Alterneter Range Cuality File Cocco Alterneter Range and Backscatter Cuality File Cocco Alterneter Range and Backscatter Cuality CS_DFT_SR_DOPL_2_20221210722465 CCCCG Alterneter Range Cuality FILE The COCCG Range and Backscatter Cuality File Cocco Range and Ba | CS_OFFL_SIR_IOPN_2_20221210T214630_20221210T215142_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_UOPL_2_30221210732461_2002110724489_C001 and Bascenter Coulty PLM. COOC Amount PLM. Cooc Amount PLM. Cook Amount PLM. | CS_OFFL_SIR_IOPN_2_20221210T220732_20221210T221116_C001 | | |
| CSUDFL_SIN_DPH_SIN_CONT_200212101234006_00212101234006_0001 DOOD Balascaster Gually more records CS_OFFL_SIN_OPH_2.02212107234006_002212107234006_00212107234006_0001 OCOD Attracere Range Gually PLMA. The OCOD Range and Backscatter Gually Flags have been set for one or more records CS_OFFL_SIN_OPH_2.002212107234006_002212107234006_0001 OCOD Attracere Range Gually PLMA. The OCOD Range and Backscatter Gually Flags have been set for one or more records CS_OFFL_SIN_OPH_2.002212107023401_0022727_0001 OCOD Attracere Range Gually PLMA. The OCOD Range and Backscatter Gually Flags have been set for one or more records CS_OFFL_SIN_OPH_2.002212107002732_002212107002772_0001 OCOD Attracere Range Gually PLMA. The OCOD Range and Backscatter Gually Flags have been set for one or more records CS_OFFL_SIN_OPH_2.002212107002732_002212107002732_002212107002732_002212107002732_002212107002732_002212107012117_C001 PARME The OCOD Range and Backscatter Gually Flags have been set for one or more records CS_OFFL_SIN_OPH_2.002212107011191_002212107012117_C001 PARME PROME The OCOD Range and Backscatter Gually Flags have been set for one or more records CS_OFFL_SIN_IOPH_2.202212107011919_00221210702140_0001 OCOBA Attracer Range_0344.SVH and Backscatter Gually Flags have been set for one or more records The OCOD Range and Backscatter Gually Flags have been set for one or more records CS_OFFL_SIN_IOPH_2.202212107011919_00221210702101 CO | CS_OFFL_SIR_IOPN_2_20221210T224551_20221210T224839_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPR_2_0221210723406_0221210723406_0001 OCOG Backscatter Qualty Immore monds CS_OFFL_SIR_IOPR_2_0221210723406_0021210723406_0001 OCOG Attimuter Range Qualty PLIM, OCOG Backscatter Qualty The OCOG Range and Backscatter Qualty Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_02221210703140_200212107032727_0001 OCOG Backscatter Qualty PLIM, OCGG Attimuter Range, SSIA, SWH Flag The OCOG Range and Backscatter Qualty Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_02221210700140_0022227_0001 OCGG Range and Backscatter Qualty Flags have been set for one or more records The OCOG Range and Backscatter Qualty Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_022212107002729_02212107003014_0001 Ocean Attimoter Range, SSIA, SWH and Backscatter Qualty Flags have been attimeter Range, SSIA, SWH and Backscatter Qualty Flags have been attimeter Range, SSIA, SWH and Backscatter Qualty Flags have been attimeter Range, SSIA, SWH and Backscatter Qualty Flags have been attimeter Range, SSIA, SWH and Backscatter Qualty Flags have been attimeter Range, SSIA, SWH and Backscatter Qualty Flags have been attion or or more records CS_OFFL_SIR_IOPR_2_0222121070115792_022121070121570_02022_0001 OCOG Rander Range, SSIA, SWH and Backscatter Qualty Flag The Ocean Attimeter Range, SSIA, SWH and Backscatter Qualty Flags have been set for one or more records </td <td>CS_OFFL_SIR_IOPN_2_20221210T232630_20221210T233006_C001</td> <td></td> <td></td> | CS_OFFL_SIR_IOPN_2_20221210T232630_20221210T233006_C001 | | |
| CS, OFFL_SIR_JOPR_2_20221210T234915_20221210T236917_C001 CG, OFFL_SIR_JOPR_2_20221210T234915_20221210T02577_C001 CG_OFFL_SIR_JOPR_2_20221210T031940_20221210T002777_C001 CG_OFFL_SIR_JOPR_2_20221210T001940_20221210T002777_C001 CG_OFFL_SIR_JOPR_2_20221210T001940_20221210T002777_C001 CG_OFFL_SIR_JOPR_2_20221210T001940_20221210T002777_C001 CG_OFFL_SIR_JOPR_2_20221210T001940_20221210T002778_20221210T002778_20221210T002778_20221210T002778_20221210T002778_20221210T002778_20221210T001111111111111111111111111111 | CS_OFFL_SIR_IOPN_2_20221210T234005_20221210T234127_C001 | | |
| CSL DFH_SIR_JOPR_2_20221210T001940_20221210T002727_0001 OCCes Backscater Quality Immor records CS_OFFL_SIR_JOPR_2_20221210T001940_20221210T002727_0001 Ocean Altimeter Range, SSHA, SWH and Backscater Quality Flags have been et for one or more records Immore records CS_OFFL_SIR_JOPR_2_20221210T002729_0021210T002727_0001 Ocean Altimeter Range, SSHA, SWH and Backscater Quality Flags have been et for one or more records Immore records CS_OFFL_SIR_JOPR_2_20221210T011819_20221210T012117_0001 Ocean Altimeter Range, SSHA, SWH and Backscater Quality Flags have been et for one or more records Immore records CS_OFFL_SIR_JOPR_2_20221210T011819_20221210T012117_0001 Ocean Altimeter Range, SSHA, SWH and Backscater Quality Flags have been et for one or more records CS_OFFL_SIR_JOPR_2_20221210T015752_20221210T020529_0001 Ocean Altimeter Range, SSHA, SWH and Backscater Quality Flags have been et for one or more records CS_OFFL_SIR_JOPR_2_20221210T020529_0001 Ocean Altimeter Range, SSHA, SWH and Backscater Quality Flags have been set for one or more records CS_OFFL_SIR_JOPR_2_20221210T020591_20221210T021640_0001 OCCOA Altimeter Range, SSHA, SWH and Backscater Quality Flags have been set for one or more records CS_OFFL_SIR_JOPR_2_20221210T026557_20221210T021640_0001 OCCOA Altimeter Range, SSHA, SWH and Backscater Quality Flags, Nave been set for one or more records CS_OFFL_SIR_JOPR_2_20221210T025657_20221210T0265657_20221210T0303227_0001 OCCOA Altimeter Rang | CS_OFFL_SIR_IOPN_2_20221210T234606_20221210T234804_C001 | | |
| C6_OFFL_SIR_JOPR_2_20221210T001940_20221210T002727_0001 and Backscatter Quality PLRM, OCOG Attimuter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimuter Range, SSHA, SWH and Backscatter Quality Flags and to OCOG Attimuter Range, SSHA, SWH and Backscatter Quality Flags and to OCOG Attimuter Range, SSHA, SWH and Backscatter Quality Flags and to OCOG Attimuter Range, SSHA, SWH and Backscatter Quality Flags and to OCOG Attimuter Range and Backscatter Quality Flags and to OCOG Attimuter Range and Backscatter Quality Flags and to OCOG Attimuter Range and Backscatter Quality Flags have been set for one or more records C5_OFFL_SIR_JOPR_2_20221210T021436_20221210T021436_0001 OCOG Attimuter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records C6_OFFL_SIR_JOPR_2_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024587_2001 | CS_OFFL_SIR_IOPN_2_20221210T234915_20221210T235017_C001 | | |
| CS_OFFL_SIR_IOPR_2_20221210T002729_20221210T003014_C001 and Backscatter Quality PLBM_MCCCG Attemeter Range and Backscatter Quality PLBM_MCCGG Cocean Allimeter Range and Backscatter Quality PLBM_MCCGG CS_OFFL_SIR_IOPR_2_20221210T011819_20221210T012117_C001 Cocean Allimeter Range and Backscatter Quality PLBM_MCCGG QCean Allimeter Range and Backscatter Quality PLBM_MCCGG The Ocean Allimeter Range and Backscatter Quality PLBM_MCCGG CS_OFFL_SIR_IOPR_2_20221210T015752_20221210T012553_C001 COCGG Allimeter Range and Backscatter Quality PLBM_MCCGG QCean Allimeter Range and Backscatter Quality PLBM_MCCGG The Ocean Allimeter Range and Backscatter Quality PLBM_MCCGG CS_OFFL_SIR_IOPR_2_20221210T020533_C001 COCGG Allimeter Range Quality PLBM_MCCGG The OCGG Range and Backscatter Quality FLBM_MCCGG CS_OFFL_SIR_IOPR_2_20221210T021436_20221210T021633_C001 COCGG Allimeter Range Quality PLBM_MCCGG The OCGG Range and Backscatter Quality FLBgS have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T021435_20221210T021633_C001 COCGG Allimeter Range, SSHA, SWH and Backscatter Quality FLBgS have been set for one or more records The OCGG Range and Backscatter Quality FLBgS have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T024649_C001 COCGG Allimeter Range, SSHA, SWH and Backscatter Quality FLBgS have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T024649_C001 COCGG Allimeter Range, SSHA, SWH and Backscatter Quality FLBgS have be | CS_OFFL_SIR_IOPR_2_20221210T001940_20221210T002727_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPR_2_20221210T011819_20221210T012117_C001 and Backscatter Quality PLEM, COURD Ine Ocean Alimeter Range, SSHA, SWH and Backscatter Quality Plags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T015752_20221210T020523_C001 OCCGA Alimeter Range, SSHA, SWH and Backscatter Quality PLEM, COCGA CS_OFFL_SIR_IOPR_2_20221210T020512_002011 OCCGA Alimeter Range, Quality PLEM, COCGA The OCCGA Raimeter Range Alimeter Range Ali | CS_OFFL_SIR_IOPR_2_20221210T002729_20221210T003014_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPR_2_20221210T015752_20221210T020523_C001 and Backscatter Quality PLRM, OCOG Into the OCOG Altimeter Range and Backscatter Quality Plags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T020911_20221210T021040_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG | CS_OFFL_SIR_IOPR_2_20221210T011819_20221210T012117_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPR_2_20221210T0201436_20221210T021633_C001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T021436_20221210T021633_C001 OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T024335_20221210T024649_C001 Cean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T025657_20221210T030020_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T035657_20221210T034327_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T034928_20221210T034327_C001 Cean Attimeter Range Quality PLRM, COCG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T034928_20221210T034927_C001 OCOG Attimeter Range Quality PLRM, COCG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T034928_20221210T035222_C001 OCOG Attimeter Range Quality PLRM, COCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T034928_20221210T035222_C001 OCOG Attimeter Range Quality PLRM, COCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T034928_20221210T035 | CS_OFFL_SIR_IOPR_2_20221210T015752_20221210T020523_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPR_2_202212101024335_202212101024649_C001 OCCG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_202212101024335_202212101024649_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_202212101033329_202212101034327_C001 Ocean Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_202212101034928_202212101034327_C001 Ocean Altimeter Range Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality The OCCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_202212101034928_202212101035222_C001 OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range Quality PLRM, OCCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_202212101035438_202212101035656_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality The OCCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_202212101035438_202212101042610_C001 OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Qualit | CS_OFFL_SIR_IOPR_2_20221210T020911_20221210T021040_C001 | | |
| CS_OFFL_SIR_IOPR_2_20221210T024335_20221210T024649_C001 and Backscatter Quality PLRM Inte OCGA Mitimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T025657_20221210T030020_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_IOPR_2_20221210T033329_20221210T034327_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T03329_20221210T034327_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T034928_20221210T035222_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter 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_20221210T035438_20221210T035656_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T042237_20221210T042610_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have | CS_OFFL_SIR_IOPR_2_20221210T021436_20221210T021633_C001 | | |
| CS_OFFL_SIR_IOPR_2_20221210T025657_20221210T030020_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM Ine Occean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T033329_20221210T034327_C001 Cean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality Flags hard the OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T035438_20221210T035656_C001 OCOG Attimeter 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_20221210T042237_20221210T042210_C001 OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags hard backscatter Quality Flags hard backscatter Quality Flags hard backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags hard backscatter Quality Flags hard backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags hard backscatter Quality Flags have been set for one or more records | CS_OFFL_SIR_IOPR_2_20221210T024335_20221210T024649_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPR_2_20221210T033329_20221210T034327_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T034928_20221210T035222_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_20221210T035438_20221210T035656_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_20221210T035438_20221210T035656_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T042237_20221210T042610_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, PLRM The OCOG Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Range and Backscatter Quality Flags have been set for one or set for one or more records | CS_OFFL_SIR_IOPR_2_20221210T025657_20221210T030020_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPR_2_202212101034928_202212101035222_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_202212101035438_202212101035656_C001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_202212101042237_202212101042610_C001 Ocog Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_202212101042237_202212101042610_C001 Ocog Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_202212101051354_202212101051416_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or | CS_OFFL_SIR_IOPR_2_20221210T033329_20221210T034327_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPR_2_202212101035438_202212101035656_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_202212101042237_202212101042610_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_202212101042237_202212101042610_C001 OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_202212101051354_202212101051416_C001 OCOG Altimeter Range Quality PLRM, The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records | CS_OFFL_SIR_IOPR_2_20221210T034928_20221210T035222_C001 | | |
| CS_OFFL_SIR_IOPR_2_20221210T042237_20221210T042610_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been PLRM OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or | CS_OFFL_SIR_IOPR_2_20221210T035438_20221210T035656_C001 | | |
| | CS_OFFL_SIR_IOPR_2_20221210T042237_20221210T042610_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| | CS_OFFL_SIR_IOPR_2_20221210T051354_20221210T051416_C001 | | , , , , , , , , , , , , , , , , , , , |

| CS_OFFL_SIR_IOPR_2_20221210T051550_20221210T052227_C001 | Ocean Altimeter Range, SSHA, SWH 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_20221210T052227_20221210T053713_C001 | PLRM 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_20221210T060009_20221210T060708_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_20221210T065217_20221210T065238_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_20221210T070119_20221210T070228_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_20221210T074104_20221210T074607_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_20221210T083501_20221210T083753_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_20221210T083753_20221210T084136_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_20221210T092309_20221210T092436_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_20221210T095841_20221210T095934_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_20221210T095937_20221210T100032_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_20221210T101421_20221210T102052_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_20221210T102648_20221210T102930_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_20221210T115204_20221210T115423_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_20221210T115613_20221210T120107_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_20221210T124024_20221210T124312_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_20221210T133016_20221210T133135_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_20221210T133338_20221210T134306_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_20221210T141939_20221210T142322_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_20221210T144011_20221210T144321_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_20221210T150645_20221210T151001_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_20221210T151355_20221210T152158_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_20221210T152358_20221210T152521_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_20221210T155937_20221210T160234_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_20221210T164319_20221210T164634_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_20221210T165442_20221210T170152_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_20221210T170225_2022121 | I0T170341_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_20221210T175119_2022121 | I0T175457_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_20221210T183349_2022121 | IOT184109_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records | | | |
| CS_OFFL_SIR_IOPR_2_20221210T184301_2022121 | IOT184316_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_20221210T192907_2022121 | IOT193529_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_20221210T194834_2022121 | I0T195048_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_20221210T200720_2022121 | 10T201047_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_20221210T201304_2022121 | 10T201951_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_20221210T204036_2022121 | 0T204215_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_20221210T211443_2022121 | 0T211530_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_20221210T221340_2022121 | 10T221437_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_20221210T233225_2022121 | 0T233911_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records | | | |
| L2 Quality Flags (1 Hz & 1 Hz PLRM) | | | | | | |
| Currently, there are several common flags raised in | n the Level 2 products, whi | ch are summarised below. | | | | |
| > 1 Hz and 1 Hz Ocean SSHA Quality Flags: These | flags are currently set for pro | ducts over sea ice, which is to be expecte | ed. The number of products with this error flag set is given below. | | | |
| Number of products with errors: | 196 | | | | | |
| 5812 Occan Potrocking Quality Ch | ook. | | | | | |
| | 5.8 L2 Ocean Retracking Quality Check | | | | | |
| L2 Retracking Flags (20 Hz) | | The block of the block | | | | |
| CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz measurement record. The bit value of this flag indicates any problems when set. > Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below. | | | | | | |
| | | and sea ice, but this is to be expected. Th | ie number of products with this error flag set is given below. | | | |
| Number of products with errors: | 62 | | | | | |
| 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: | 149 | | | | | |
| | 6. <mark>IOP</mark> L2 P | ole-to-Pole Data Quality | Check | | | |

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

0

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.

30

> 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.

| Desclust | Test Failed | Description |
|--|---|---|
| Product | Test Failed | Description |
| CS_OFFL_SIR_IOP_2_20221209T233406_20221210T002342_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_20221210T002342_20221210T011321_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_20221210T011321_20221210T020257_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_20221210T020257_20221210T025236_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_220221210T025236_20221210T034211_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_20221210T034211_20221210T043150_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_20221210T043150_20221210T052126_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_20221210T052126_20221210T061105_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_20221210T061105_20221210T070041_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_20221210T070041_20221210T075020_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_20221210T075020_20221210T083955_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_20221210T083955_20221210T092934_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), 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), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records |
| CS_OFFL_SIR_IOP_2_20221210T092934_20221210T101910_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_20221210T101910_20221210T110849_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_20221210T110849_20221210T115825_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_20221210T115825_20221210T124804_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_20221210T124804_20221210T133740_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_20221210T133740_20221210T142719_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_20221210T142719_20221210T151654_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_20221210T151654_20221210T160633_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_20221210T160633_20221210T165609_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_20221210T165609_20221210T174548_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_20221210T174548_20221210T183524_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_20221210T183524_20221210T192502_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_20221210T192502_20221210T201438_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_20221210T201438_20221210T210417_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_20221210T210417_20221210T215353_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_20221210T215353_20221210T224332_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_220221210T224332_20221210T233308_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_20221210T233308_20221211T002247_C002 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |

| 6.5 P2P Measurement Conf | idence Data Check | | | |
|--|--|------------------------------------|--|--|
| CryoSat P2P data includes a measurem | ent confidence flag for each 20-Hz me | asurement record. The bit value of | this flag indicates any problems when set. | |
| Number of products with errors: | 2 | | | |
| Product | | Test Failed | Description | |
| CS_OFFL_SIR_IOP_2_20221210T020 | 257_20221210T025236_C001 | Power scaling error | There is an error in the scaling of the records | L1B waveform for one or more |
| CS_OFFL_SIR_IOP_220221210T183 | 524_20221210T192502_C001 | Power scaling error | There is an error in the scaling of the records | L1B waveform for one or more |
| 6.6 P2P Measurement Qual | ity Flag Check | | | |
| P2P Quality Flags (20 Hz) | | | | |
| CryoSat P2P data includes Quality Flags | for each 20 Hz, 20 Hz PLRM and 1 H | Iz measurement record, copied fro | m the corresponding L2 products. | |
| Since the P2P Quality Flags are copie below. | d directly from the L2 Quality Flags | , please see Section 5.6 for the | full list of products affected. The number of P2F | P products affected is given |
| Number of products with errors: | 30 | | | |
| P2P Quality Flags (20 Hz PLR) | M) | | | |
| Since the P2P Quality Flags are copie below. | d directly from the L2 Quality Flags | s, please see Section 5.6 for the | full list of products affected. The number of P2F | P products affected is given |
| Number of products with errors: | 30 | | | |
| P2P Quality Flags (1 Hz & 1 Hz | z PLRM) | | | |
| Since the P2P Quality Flags are copie below. | d directly from the L2 Quality Flags | s, please see Section 5.6 for the | number of L2 products affected. The number of | P2P products affected is given |
| Number of products with errors: | 30 | | | |
| 6.8 P2P Ocean Retracking | Quality Check | | | |
| P2P Retracking Flags (20 Hz) | | | | |
| Cryosat P2P data includes an ocean retr | racking quality flag (field 19) for each 2 | 20 Hz measurement record. The bit | value of this flag indicates any problems when set | |
| > Ocean Retracking Quality Flag (PLR | RM): This flag is currently set for produ | cts IOPR and IOPN products over | sea ice, but this is to be expected. | |
| Number of products with errors: | 29 | | | |
| P2P Retracking Flags PLRM | | | | |
| CryoSat L2 data includes an ocean retra | cking quality flag for each 20 Hz PLRM | I measurement record. The bit val | ue of this flag indicates any problems when set. | |
| > Ocean Retracking Quality Flag (PLR) | RM): This flag is currently set for produ | cts IOPR and IOPN products over | sea ice, but this is to be expected. | |
| Number of products with errors: | 30 | | | |
| | 7 | . IOP QCC Report A | nalysis | |
| The Quality Control for CryoSat (QCC) fa warnings is provided below. | acility performs a primary survey of dat | a products immediately after produ | iction by the PDS and LTA processing facilities. A l | ist of the tests which raised errors c |
| Product type | No. Products No. | QCC Beports | No. Valid No. Warnings | No. Frrors |

| No. Products | No. QCC Reports | No. Valid | No. Warnings | No. Errors |
|--------------|--|---|---|--|
| 194 | 194 | 6 | 188 | 0 |
| 124 | 104 | 4 | 100 | 0 |
| 104 | 124 | 0 | 124 | 0 |
| 197 | 197 | 143 | 54 | 0 |
| 124 | 104 | 38 | 65 | 1 |
| 104 | 124 | 33 | 91 | 0 |
| 29 | 29 | 0 | 28 | 1 |
| | 194 124 104 197 124 104 | 194 194 124 104 104 124 197 197 124 104 197 197 124 104 104 124 | 194 194 6 124 104 4 104 124 0 197 197 143 124 104 38 104 124 33 | 194 194 6 188 124 104 4 100 104 124 0 124 197 197 143 54 124 104 38 65 104 124 33 91 |

7.1 QCC Errors

Number of QCC reports with errors: 8 Total number of occurrences of each error Product Type RLOBOPNCDF RL SIR_IOPN_2 1 1 RLOBOPNCDF RL ----1 1 Product Type RLOBOPNCDF SIR_IOP_2_ 1 RLOBOPNCDF RL RL ---1 1 1

| Test Description Key: | est 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 n | umber of occurrences of e | ach warning | | |
|--------------|---------------|-----------|--------------|---------------------------|--------------------|--------------------|-------------------|
| Product Type | BCSHNCDF | IOHHMOOR | MVIOEPFDNCDF | MVIOEPNCDF | MVIONCDF | RBSZOPOEPFDNCDF | RBSZOPOEPFDPLRMNC |
| SIR_IOPM1B | 188 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPM_2 | 0 | 0 | 39 | 41 | 1 | 45 | 0 |
| SIR_IOPN1B | 99 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPN_2 | 0 | 1 | 10 | 32 | 4 | 29 | 26 |
| SIR_IOPR1B | 121 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPR_2 | 0 | 0 | 38 | 49 | 3 | 35 | 27 |
| | | | | | | | |
| Product Type | RBSZOPOEPNCDF | RLPTONCDF | RNELPOTONCDF | RPEPOPFDLRMNCDF | RPEPOPFDPLRMSARNCI | RPEPOPFDPLRMSINNCD | RPEPOPFDSARNCDF |
| SIR_IOPM1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPM_2 | 36 | 6 | 0 | 34 | 0 | 0 | 0 |
| SIR_IOPN1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR IOPN 2 | 17 | 47 | 0 | 0 | 0 | 21 | 0 |

| SIR_IOPR1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------|------------------|---------------|--------------------|-------------------|-----------------|-------------------|------------------|
| SIR_IOPR_2 | 11 | 49 | 4 | 0 | 50 | 0 | 62 |
| | | | | | | | |
| Product Type | RPEPOPFDSINNCDF | RPEPOPLRMNCDF | RPEPOPSARNCDF | RPEPOPSINNCDF | RSSBCONCDF | RSSHAOFDNCDF | RSSHAOFDPLRMNCDF |
| SIR_IOPM1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPM_2 | 0 | 26 | 0 | 0 | 7 | 31 | 0 |
| SIR_IOPN1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPN_2 | 33 | 0 | 0 | 27 | 16 | 41 | 52 |
| SIR_IOPR1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPR_2 | 0 | 0 | 50 | 0 | 3 | 74 | 45 |
| | | | | | | | |
| Product Type | RSSHAONCDF | RSWHOEPFDNCDF | RSWHOEPFDPLRMNCDF | RSWHOEPNCDF | SOOHHIFHD | SCSTODHRNCDF | SCSTODNCDF |
| SIR_IOPM1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPM_2 | 4 | 36 | 0 | 1 | 0 | 0 | 0 |
| SIR_IOPN1B | 0 | 0 | 0 | 0 | 0 | 51 | 2 |
| SIR_IOPN_2 | 27 | 29 | 29 | 11 | 1 | 0 | 0 |
| SIR_IOPR1B | 0 | 0 | 0 | 0 | 0 | 124 | 9 |
| SIR_IOPR_2 | 13 | 41 | 52 | 4 | 0 | 0 | 0 |
| | | | | | | | |
| Product Type | IOHHMOOR | MVIOEPFDNCDF | MVIOEPNCDF | MVIONCDF | RBSZOPOEPFDNCDF | RBSZOPOEPFDPLRMNC | RBSZOPOEPNCDF |
| SIR_IOP_2_ | 11 | 29 | 29 | 7 | 29 | 18 | 29 |
| | | | | | | | |
| Product Type | RLPTONCDF | RNELPOTONCDF | RPEPOPFDPLRMSINNCD | RPEPOPFDSINNCDF | RPEPOPSINNCDF | RSSBCONCDF | RSSHAOFDNCDF |
| SIR_IOP_2_ | 29 | 4 | 18 | 29 | 24 | 18 | 29 |
| | | | | | | | |
| Product Type | RSSHAOFDPLRMNCDF | RSSHAONCDF | | RSWHOEPFDPLRMNCDF | RSWHOEPNCDF | SPHLPQWNCDF | - |
| SIR_IOP_2_ | 17 | 24 | 29 | 19 | 10 | 29 | |
| | | | | | | | |
| Product Type | - | - | - | - | - | - | - |
| SIR_IOP_2_ | | | | | | | |
| | | | | | | - | |

| rest 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 | | | |
| RLPTONCDF | RangeLongPeriodTideOceanNetCDF | The Long period tide height should be between -50mm and 50mm (or missing) for surface type = ocean - NetCDF | | | |
| RNELPOTONCDF | RangeNELPOceanTideOceanNetCDF | The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean | | | |
| RPEPOPFDLRMNCDF | RangePeakinessExcludingPolarOPFD2LRMNetCDF | The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | |
| RPEPOPFDPLRMSAR NCDF | RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF | The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | |
| RPEPOPFDPLRMSINN CDF | RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF | The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | |
| RPEPOPFDSARNCDF | RangePeakinessExcludingPolarOPFD2SARNetCDF | The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | |
| RPEPOPFDSINNCDF | RangePeakinessExcludingPolarOPFD2SINNetCDF | The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | |
| RPEPOPLRMNCDF | RangePeakinessExcludingPolarOPLRMNetCDF | The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | |
| RPEPOPSARNCDF | RangePeakinessExcludingPolarOPSARNetCDF | The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | |
| RPEPOPSINNCDF | RangePeakinessExcludingPolarOPSINNetCDF | The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | |
| RSSBCONCDF | RangeSeaStateBiasCorrectionOceanNetCDF | The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean | | | |
| RSSHAOFDNCDF | RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF | The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean | | | |
| RSSHAOFDPLRMNCD F | RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF | The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean | | | |
| RSSHAONCDF | RangeSeaSurfaceHeightAnomalyOceanNetCDF | The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean | | | |
| RSWHOEPFDNCDF | RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF | The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | |
| RSWHOEPFDPLRMNC DF | RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF | The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | |
| RSWHOEPNCDF | RangeSignificantWaveHeightOceanExcludingPolarNetCDF | The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees | | | |
| SOOHHIFHD | SameOrOneHigher1HzIndexFor20HzData | The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample | | | |
| SCSTODHRNCDF | SequenceCounterStepTODHRNetCDF | The sequence counter should be modulo 4 higher with regard to the previous sequence counter | | | |
| 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:

1

L1B and L2 Product name n/a P2P Product name CS_OFFL_SIR_IOP_2_20221210T233308_20221211T002247_C002