



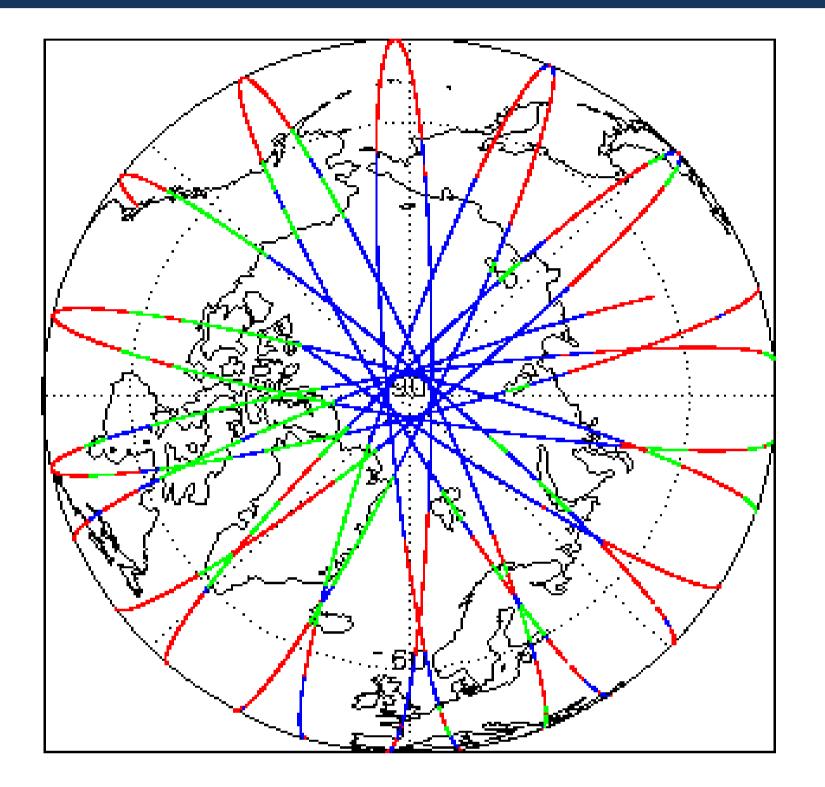
1. Overview

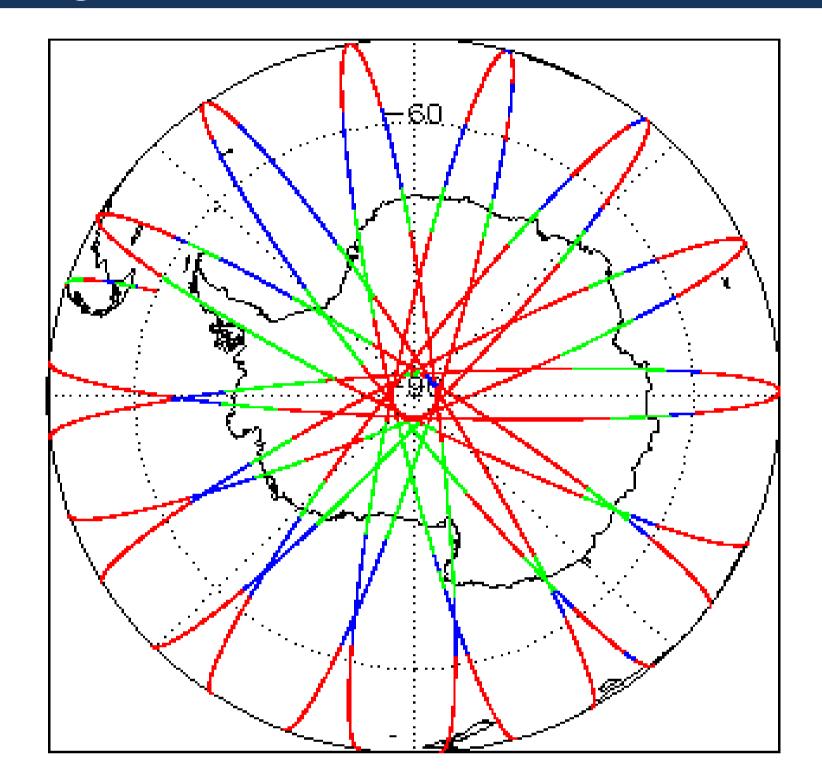
| Report Production: | 21-Jun-2021 |
|---------------------------|---|
| Processor Used: | CryoSat Ocean Processor |
| Data Used: | Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data |

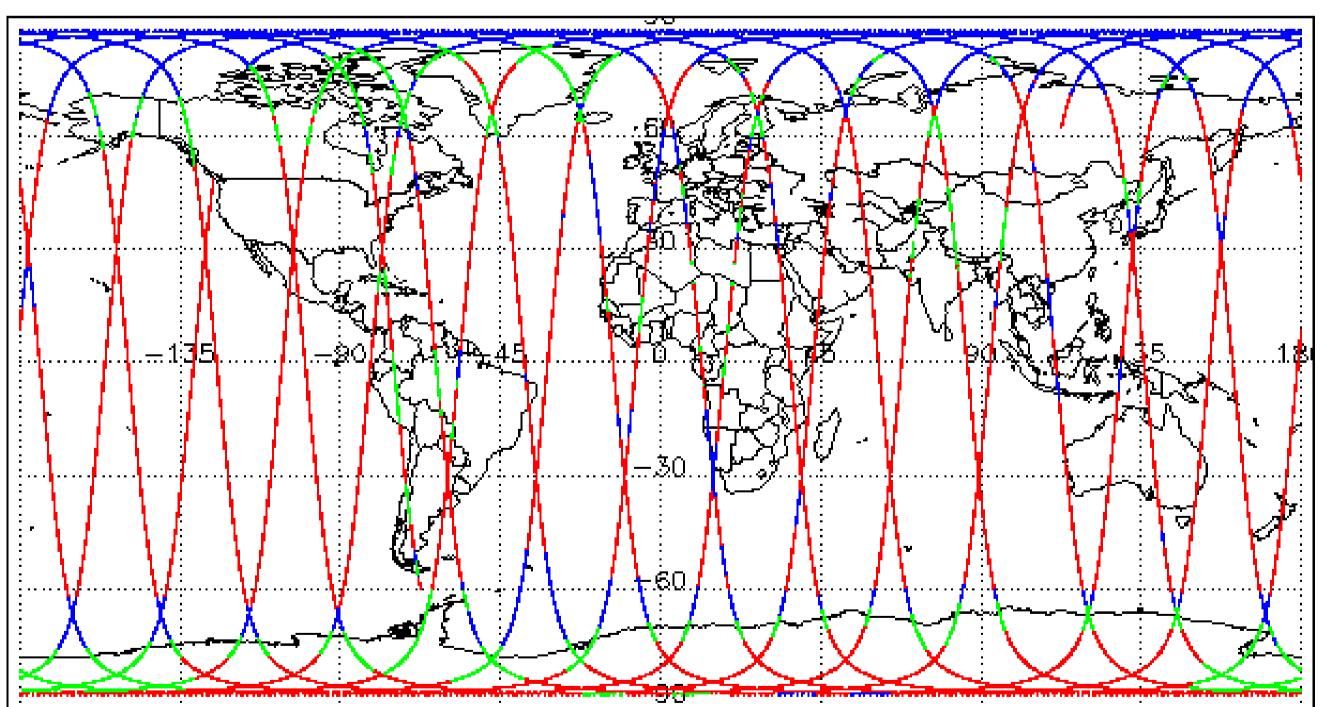
| Check | L1 & L2 | P2P |
|--|----------------------|-----------------|
| Server check: science-pds.cryosat.esa.int | Nominal | Nominal |
| Server check: calval-pds.cryosat.esa.int | Nominal | Nominal |
| Product Software Check | Nominal | Nominal |
| Product Format Check | Nominal | Nominal |
| Product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

| | Mission / Instrument News | | |
|---|---------------------------|---|--|
| ſ | 17-Jun-2021 | SIRAL unavailability due to Orbit Control Manoeuvre on 17/06/2021 from 14:47:22 to 16:36:12 | |
| | 18-Jun-2021 | None | |
| | 19-Jun-2021 | Nothing planned | |

2. Global Coverage











3. Instrument Configuration

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

| SIRAL instrument(s) in use: | SIRAL - A |
|-----------------------------|-----------|
|-----------------------------|-----------|

4. 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 binary product file (.DBL).

Number of products with errors:

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

0

0

0

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

17

| Product | Test Failed | Description |
|---|--------------|--|
| CS_OFFL_SIR_IOPM1B_20210618T024037_20210618T030336_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPM1B_20210618T101246_20210618T102313_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20210618T003532_20210618T004044_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20210618T104512_20210618T104637_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20210618T171154_20210618T171252_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20210618T202639_20210618T202730_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20210618T202811_20210618T203222_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20210618T234449_20210618T234749_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20210618T234822_20210618T235033_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20210618T022201_20210618T022807_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20210618T045532_20210618T045844_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20210618T102313_20210618T102458_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20210618T135120_20210618T135847_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20210618T182018_20210618T182627_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20210618T223754_20210618T223957_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20210618T234015_20210618T234118_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20210618T234347_20210618T234449_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 binary product file (.DBL).

Number of products with errors:

0

0

0

5.2 L2 Product Header Analysis

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

Number of products with errors:

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).

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.

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

Number of products with errors:

| Product | Test Failed | Description |
|---|--|---|
| CS_OFFL_SIR_IOPM_2_20210618T022807_20210618T022906_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_20210618T003532_20210618T004044_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_20210618T012523_20210618T012822_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPN_2_20210618T013452_20210618T013740_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPN_2_20210618T021532_20210618T021908_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPN_2_20210618T040340_20210618T040415_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPN_2_20210618T040530_20210618T040647_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPN_2_20210618T053137_20210618T053303_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPN_2_20210618T063109_20210618T063414_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_20210618T080412_20210618T080719_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_20210618T081010_20210618T081352_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_20210618T094449_20210618T094723_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_20210618T103958_20210618T104116_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_20210618T111945_20210618T112604_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_20210618T121934_20210618T122141_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_20210618T130212_20210618T130347_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPN_2_20210618T131241_20210618T131441_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPN_2_20210618T135847_20210618T140332_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_20210618T145031_20210618T145301_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_20210618T162129_20210618T162521_C001 | Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) Non-Equilibrium Long Period | Topography (solution 1), and tidal corrections for one or more records |
| CS_OFFL_SIR_IOPN_2_20210618T180114_20210618T180427_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_20210618T193836_20210618T194300_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_20210618T202811_20210618T203222_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_20210618T212619_20210618T212806_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPN_2_20210618T221027_20210618T221128_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_20210618T230427_20210618T230653_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_20210618T234449_20210618T234749_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |

| | | There is an emery with the MOO height (solution 4) and the Masse Durancia |
|---|---|---|
| CS_OFFL_SIR_IOPN_2_20210618T234822_20210618T235033_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_20210618T004044_20210618T004659_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_20210618T021908_20210618T022201_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_20210618T022201_20210618T022807_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_20210618T035601_20210618T040340_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_20210618T053531_20210618T054202_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_20210618T054202_20210618T054455_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_20210618T071348_20210618T072102_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_20210618T072102_20210618T072258_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_20210618T085518_20210618T090000_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_20210618T090000_20210618T090118_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_20210618T103318_20210618T103841_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_20210618T103841_20210618T103958_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_20210618T121517_20210618T121934_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_20210618T135059_20210618T135120_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPR_2_20210618T135120_20210618T135847_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_20210618T153138_20210618T153920_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_20210618T170156_20210618T170334_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPR_2_20210618T171252_20210618T172040_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_20210618T185223_20210618T190141_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_20210618T203223_20210618T204018_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_20210618T221128_20210618T221657_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_20210618T234016_20210618T234118_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPR_2_20210618T234347_20210618T234449_C001 | Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide | #N/A |
| CS_OFFL_SIR_IOPR_2_20210618T235033_20210618T235733_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |

5.5 L2 Measurement Confidence Data Check

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

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

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

Number of products with errors:

81

| Product | Test Failed | Description |
|---|--------------|--|
| CS_OFFL_SIR_IOPM_2_20210618T000921_20210618T001347_C001 | 3 1 1 | The Ocean Altimeter Range, SSHA, SWH 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_20210618T002451_20210618T002833_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_20210618T010338_20210618T012359_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_20210618T012822_20210618T013226_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_20210618T013923_20210618T021323_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_20210618T021445_20210618T021532_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_20210618T024037_20210618T030336_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_20210618T030613_20210618T031140_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_20210618T031147_20210618T031512_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_20210618T031849_20210618T035106_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_20210618T041418_20210618T041452_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_20210618T041607_20210618T043540_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_20210618T043805_20210618T044303_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_20210618T044616_20210618T045420_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_20210618T045844_20210618T053137_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_20210618T061442_20210618T062154_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_20210618T062552_20210618T063109_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_20210618T063756_20210618T065922_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_20210618T070207_20210618T071229_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_20210618T072258_20210618T072741_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_20210618T074223_20210618T074813_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_20210618T075001_20210618T080027_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_20210618T080719_20210618T081010_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_20210618T081728_20210618T084328_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_20210618T084507_20210618T085345_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_20210618T090622_20210618T091313_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_20210618T091326_20210618T093747_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. |

| 0.0 0.0 <th>CS_OFFL_SIR_IOPM_2_20210618T094723_20210618T094918_C001</th> <th>OCOG Altimeter Range Quality, OCOG Backscatter Quality</th> <th>The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.</th> | CS_OFFL_SIR_IOPM_2_20210618T094723_20210618T094918_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
|--|---|---|---|
| O. D. L. BH. LOPAL 2. 2014(1913)8641. AC13201 (1020) D011 or (15. BH. LOPAL 2. 2014(1913)8641. AC13201 (1020) D011 or (15. BH. LOPAL 2. 2014(1913)8641. AC13201 (1020) D011 Oreal, BH. LOPAL 2. 2014(191 | CS_OFFL_SIR_IOPM_2_20210618T095137_20210618T095412_C001 | | |
| Sage Har, Jan John J. 202000 HI 10072, 202100 HI 10721, 202100 HI 10 | CS_OFFL_SIR_IOPM_2_20210618T095644_20210618T100030_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| DL_D-L_LEC_OPL_JECTIONENT TO ALLOY OF IN DOT_COST Contract Analyse and Sensetime Usably High have been and the analyse and sensetime Usably High have been and the analyse High have been and the | CS_OFFL_SIR_IOPM_2_20210618T100122_20210618T101239_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Cold Mark Study / Alfueld File Cold Rest (Cold Parket File) Sector Mark Study Sector Mark Study Sector Mark Study C5: CFTL_5R_UON_2_202104 CT14645_202164 ST11625_CCCC Don A trans Regs, SBA, SWA Mark Study, S | CS_OFFL_SIR_IOPM_2_20210618T101246_20210618T102313_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS. DFH. SR. OFK 2. 227-0618*10467. 20106487110223. 2011 An Harkschler Cubry, CODB and Harkschler Cubry, CODB CS. DFH. SR. OFK 2. 227-0618*10467. 202106111111466 2011 Obern AL year Rays, SSH, SWH The Code, AL year Rays, SSH, SWH CS. DFH. SR. OFK 2. 227-0618*10467. 202106111111466 2011 Obern AL year Rays, SSH, SWH The Code, AL year Rays, SSH, SWH CS. DFH. SR. OFK 2. 227-0618*10502 202105111111166 2011 Obern AL year Rays, SSH, SWH The Code, AL year Rays, SSH, SWH CS. DFH. SR. OFK 2. 227-0618*105012 2021051111111166 2011 Obern AL year Rays, SSH, SWH The Code, AL year Rays, SSH, SWH CS. DFHL SR. OFK 2. 227-0618*105012 202105111111111111111111111111111 | CS_OFFL_SIR_IOPM_2_20210618T104116_20210618T104512_C001 | 0 | |
| CB_OPEL_BRUCH_2_2021015111592_20210151111926_007 Init Decisional College Set Doce Affree Figure and SetSetsing College CB_OPEL_BRUCH_2_2021015111592_20210151111325_007 COOS Affree Reps College The Coos Affree Reps College CB_OPEL_BRUCH_2_2021015111593_20210151111325_007 COOS Affree Reps College The Coos Affree Reps College CB_OPEL_BRUCH_2_2021015111593_20210151111325_007 Coose Affree Reps College The Coose Affree Reps College CB_OPEL_BRUCH_2_2021015111593_20210151111325_007 Coose Affree Reps College The Coose Affree Reps College CB_OPEL_BRUCH_2_2021015111593_20210151111325_007 Coose Affree Reps College The Coose Affree Reps College CB_OPEL_BRUCH_2_2021015111593_202101511112590_007 Coose Affree Reps College The Coose Affree Reps College CB_OPEL_BRUCH_2_2021015111591_202101511112291_007 Coose Affree Reps College The Coose Affree Reps College CB_OPEL_BRUCH_2_20210151112211_202101511112210_007 Coose Affree Reps College The Coose Affree Reps College CB_OPEL_BRUCH_2_20210151112211_20210151111221_007 Coose Affree Reps College The Coose Affree Reps College CB_OPEL_BRUCH_2_20210151111221_0071111551_202105 Coose Affree Reps College The Coose Affree Reps College CB_OPEL_BRUCH_2_20210151111221_0071111551_202105 Coose Affree Reps | CS_OFFL_SIR_IOPM_2_20210618T104637_20210618T110223_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Count Concent Concent County Databaseter Durly For the momenta county CS, CHEL, SH, LOPAL 2, X021201611112012, X02100111112012, X021001111, X0210011112012, X021001111, X02100111, X0210011, X021001, X0210011, X021001, X021001, X021001, X0210011, X021001, X0210011, X02100011, X021 | CS_OFFL_SIR_IOPM_2_20210618T110842_20210618T111945_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| C50 DFL SIX 10PK J 20210151111311 _20210516111522 Deep Allector Quely, DGD C51 DFL SIX 10PK J 20210515111315 _20210516111522 Deep Allector Page, SSIA, SWI C53 DFL SIX 10PK J 20210515111315 _20210516111522 Deep Allector Page, SSIA, SWI C53 DFL SIX 10PK J 2021051511122713 _2021051611122550 Deep Allector Page, SSIA, SWI C53 DFL SIX 10PK J 2021051511122713 _2021051611122550 Deep Allector Page, SSIA, SWI C53 DFL, SIX 10PK J 2021051511122713 _2021051611122574 _2021051611122574 _2021051611122574 _2021051611122574 _202105161112258 _2021051611122574 _202105161112258 _2021051611122574 _202105161112258 _2021051611122574 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _2021051611122 | CS_OFFL_SIR_IOPM_2_20210618T112859_20210618T113325_C001 | C | |
| CS_OFFL_SR_JOPM_2_2021018111051_2021018111050_0001 and Besteater Quality, COOS and Besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range and Besteater Quality Flags have seen and besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range and Besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range | CS_OFFL_SIR_IOPM_2_20210618T113613_20210618T115011_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SR_JOPM_2_202106191122840_202106191123500_C001 and the DOGA Attracts Range and Backscatter Quality Flags have been at factscatter Quality Flags have | CS_OFFL_SIR_IOPM_2_20210618T115151_20210618T115520_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS OFFL_SIR_IOPM 2_202108181123713_202108181133032_2021 and Backcatter Quality_COCG and the accenter Quality_Flags have been Altimeter Range and Backcatter Quality_Flags have been and Backcatter Quality_COCG The OCCG Altimeter Range and Backsatter Quality_Flags have been and Backcatter Quality_Flags have been and Backcatter Quality_COCG CS OFFL_SIR_IOPM_2_202108181135882_202108181133882_2011 OCCGA Altimeter Range SiAk, SWH and Backsatter Quality_Flags have been and Backcatter Quality_Flags have been and Backcatter Quality_Flags have been and Backsatter Quality_Flags have been and ton or or nore records. <t< td=""><td>CS_OFFL_SIR_IOPM_2_20210618T122840_20210618T123550_C001</td><td>and Backscatter Quality, OCOG</td><td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td></t<> | CS_OFFL_SIR_IOPM_2_20210618T122840_20210618T123550_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| DS_OPPE_SIR_UOPPE_2.20210618113049_20210618113241_2001 Backacater Quality for one or more records. CS_OPFE_SIR_UOPPE_2.202106181131588_20210618113366_2.001 Doesn Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at t | CS_OFFL_SIR_IOPM_2_20210618T123713_20210618T130032_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_JOPM_2.202106181131538_20210618113538_20210618113538_20210618113538_202106181131538_202106181135330_202106181135330_202106181135330_202106181135330_202106181135330_202106181135330_202106181135330_202106181163110_C001 Ocean Alimeter Range SNA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_202106181135330_20210618116310_C001 Ocean Alimeter Range SNA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_202106181163154735_202106181163110_C001 Ocean Alimeter Range Cuality, COCG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_202106181163110_C001 OCGA Alimeter Range Cuality, COCG Alimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20210618116310_C001 OCGA Alimeter Range AD Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20210618116330_202010618116310_C001 OCGA Alimeter Range AD Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_202106181116330_2020106181163042_C001 OCGA Alimeter Range AD Backscatter Quality Flags have been set for one or more record | CS_OFFL_SIR_IOPM_2_20210618T130347_20210618T131241_C001 | • • | |
| CS_OFFL_SIR_IOPM_2_20210618T141620_20210618T143938_C001 and Backscatter Quality_COCG and the OCOG Altimeter Range and Backscatter Quality_Flags have been ast CS_OFFL_SIR_JOPM_2_20210618T144605_20210618T145031_C001 Backscatter Quality_COCG The OCOG Altimeter Range and Backscatter Quality_Flags have been ast CS_OFFL_SIR_JOPM_2_20210618T145451_20210618T152158_C001 Ocsan Altimeter Range, SSHA, SVH The OCOG Altimeter Range, SSHA, SVH CS_OFFL_SIR_JOPM_2_20210618T145451_20210618T152158_C001 Ocsan Altimeter Range, SSHA, SVH The Ocean Altimeter Range, SSHA, SVH CS_OFFL_SIR_JOPM_2_20210618T164551_20210618T16510_C001 Ocsan Altimeter Range, SSHA, SVH The Ocean Altimeter Range and Backscatter Quality Flags have been ast CS_OFFL_SIR_JOPM_2_20210618T16521_20210618T163110_C001 Ocsan Altimeter Range Quality, OCOG The Ocean Altimeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_JOPM_2_20210618T16523_20210618T165908_C001 Ocean Altimeter Range Quality, OCOG The Ocean Altimeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_JOPM_2_20210618T165304_020210618T165908_C001 Ocean Altimeter Range, SHA, SVH The Ocean Altimeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_JOPM_2_20210618T17018_020210618T171124_C001 Ocean Altimeter Range, SHA, SVH The Ocean Altimeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_JOPM_2_20210618T17018_020210618T175721_C001 Ocean Altime | CS_OFFL_SIR_IOPM_2_20210618T131538_20210618T133852_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPM_2_202106181144005_202106181162001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_202106181146451_202106181152168_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_202106181154735_202106181161812_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_202106181162521_202106181161812_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_202106181162521_202106181163110_C001 OCOG Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_20210618116326_022106181163110_C001 OCOG Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_202106181163340_202106181165908_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_202106181171018_202106181171124_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_202106181172348_202106181176721_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_202106181180427_202106181176721_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_202106181180427_202106181180942_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SS | CS_OFFL_SIR_IOPM_2_20210618T141620_20210618T143938_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPM_2_20210618T145451_20210618T152158_C001 and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_20210618T164735_20210618T161812_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Fibe OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_IOPM_2_20210618T162521_20210618T163110_C001 OCOG Altimeter Range, Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_IOPM_2_20210618T16340_20210618T16300_C001 OCOG Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_20210618T16340_20210618T165908_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_20210618T171018_20210618T171124_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_20210618T172348_20210618T175721_C001 Ocean Altimeter Range and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have been altim | CS_OFFL_SIR_IOPM_2_20210618T144605_20210618T145031_C001 | • | |
| CS_OFFL_SIR_IOPM_2_20210618T154735_20210618T161812_C001 and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20210618T162521_20210618T163110_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_20210618T163340_20210618T165908_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210618T171018_20210618T171124_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210618T171018_20210618T171124_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210618T172348_20210618T175721_C001 Ocean Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20210618T172348_20210618T175721_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210618T180427_20210618T180942_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210618T181628_20210618T182017_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210618T181628_20210618T1 | CS_OFFL_SIR_IOPM_2_20210618T145451_20210618T152158_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPM_2_20210618116234_202106181163110_0001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_202106181163340_202106181165908_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality CS_OFFL_SIR_IOPM_2_20210618T172348_20210618T175721_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality The OCCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210618T180427_20210618T182017_C001 OCOGA Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscat | CS_OFFL_SIR_IOPM_2_20210618T154735_20210618T161812_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPM_2_20210618T163340_20210618T165908_C001and Backscatter Quality, OCOG Atimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range. SSHA, SWH and Backscatter Quality. OCOG Attimeter Range and Backscatter QualityThe Ocean Altimeter Range. SSHA, SWH and the OCOG Altimeter Range and Backscatter QualityCS_OFFL_SIR_IOPM_2_20210618T171018_20210618T17124_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality. OCOG Altimeter Range and Backscatter QualityThe Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality. OCOG Altimeter Range and Backscatter QualityThe Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags hat the OCOG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags hat the OCOG Altimeter Range and Backscatter Quality Flags hat the OCOG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hat the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hat the OCO | CS_OFFL_SIR_IOPM_2_20210618T162521_20210618T163110_C001 | c , | |
| CS_OFFL_SIR_IOPM_2_20210618T171018_20210618T171124_C001and Backscatter Quality, OCOG Altimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T172348_20210618T175721_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T180427_20210618T180942_C001OCOG Altimeter Range Quality, OCOG Backscatter QualityThe OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T180427_20210618T182017_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.The OCOG Altimeter Range, SSHA, SWH and backscatter Quality, OCOG for one or more records.CS_OFFL_SIR_IOPM_2_20210618T181628_20210618T182017_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T182627_20210618T182657_001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOGThe Ocean Altimeter Range, SSHA, SWH 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 Ra | CS_OFFL_SIR_IOPM_2_20210618T163340_20210618T165908_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPM_2_20210618T172348_20210618T175721_C001and Backscatter Quality, OCOG Altimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T180427_20210618T180942_C001OCOG Altimeter Range Quality, OCOG Backscatter QualityThe OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T181628_20210618T182017_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T182627_20210618T182017_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T182627_20210618T182657_20210618T182815_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOGCS_OFFL_SIR_IOPM_2_20210618T182627_20210618T182815_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG | CS_OFFL_SIR_IOPM_2_20210618T171018_20210618T171124_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPM_2_20210618T180427_20210618T180942_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_20210618T181628_20210618T182017_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range 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_20210618T182627_20210618T182815_C001 Ocean 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 and Backscatter Quality Flags have been | CS_OFFL_SIR_IOPM_2_20210618T172348_20210618T175721_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_IOPM_2_20210618T181628_20210618T182017_C001and Backscatter Quality, OCOG Altimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T182627_20210618T182815_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and Backscatter Quality, OCOGThe 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_20210618T180427_20210618T180942_C001 | • • | |
| CS_OFFL_SIR_IOPM_2_20210618T182627_20210618T182815_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been | CS_OFFL_SIR_IOPM_2_20210618T181628_20210618T182017_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| | CS_OFFL_SIR_IOPM_2_20210618T182627_20210618T182815_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |

| CS_OFFL_SIR_IOPM_2_20210618T184659_20210618T185055_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_20210618T190141_20210618T191232_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_20210618T191518_20210618T193629_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_20210618T194300_20210618T194429_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_20210618T194436_20210618T194846_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_20210618T195317_20210618T200354_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_20210618T200517_20210618T201259_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_20210618T201354_20210618T201800_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_20210618T202415_20210618T202549_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_20210618T202549_20210618T202639_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_20210618T204018_20210618T204801_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_20210618T204940_20210618T211535_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_20210618T211801_20210618T212329_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_20210618T213432_20210618T214702_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_20210618T214735_20210618T220430_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_20210618T220840_20210618T221026_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_20210618T222813_20210618T223754_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_20210618T223957_20210618T225439_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_20210618T225729_20210618T230227_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_20210618T230305_20210618T230427_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_20210618T231132_20210618T232225_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_20210618T232229_20210618T232256_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_20210618T232829_20210618T234015_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_20210618T103958_20210618T104116_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_20210618T000239_20210618T000245_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_20210618T035601_20210618T040340_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_20210618T065922_20210618T070207_C001 | G | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
|---|----------|--|
| US OFFE SIR IOPR 2 202106181110223 202106181110436 COUT | C P | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |

L2 Quality Flags (20Hz PLRM)

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

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

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

Number of products with errors:

| Product | Test Failed | Description |
|---|---|--|
| CS_OFFL_SIR_IOPN_2_20210618T000245_20210618T000344_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_20210618T000633_20210618T000921_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_20210618T001348_20210618T001850_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_20210618T003532_20210618T004044_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_20210618T005632_20210618T010017_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_20210618T013452_20210618T013740_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_20210618T021323_20210618T021445_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_20210618T021532_20210618T021908_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_20210618T023506_20210618T023705_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_20210618T030458_20210618T030613_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_20210618T031512_20210618T031633_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_20210618T035106_20210618T035601_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_20210618T040530_20210618T040647_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_20210618T045420_20210618T045532_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_20210618T053137_20210618T053303_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_20210618T054735_20210618T054858_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_20210618T055313_20210618T055330_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_20210618T055413_20210618T055557_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_20210618T060509_20210618T060626_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_20210618T062426_20210618T062552_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_20210618T074002_20210618T074223_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_20210618T080412_20210618T080719_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_20210618T081010_20210618T081352_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_20210618T085500_20210618T085518_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_20210618T090118_20210618T090450_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_20210618T094449_20210618T094723_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_20210618T094918_20210618T095137_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_20210618T095412_20210618T095544_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_20210618T102458_20210618T102707_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_20210618T103958_20210618T104116_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_20210618T110436_20210618T110453_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_20210618T111945_20210618T112604_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_20210618T121507_20210618T121517_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_20210618T122240_20210618T122509_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_20210618T122717_20210618T122840_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_20210618T134833_20210618T135005_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_20210618T140428_20210618T140550_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_20210618T144458_20210618T144605_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_20210618T145031_20210618T145301_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_20210618T162129_20210618T162521_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_20210618T170711_20210618T170834_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_20210618T170945_20210618T171018_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_20210618T172228_20210618T172348_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_20210618T180942_20210618T181055_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_20210618T183045_20210618T183103_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_20210618T193836_20210618T194300_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_20210618T194846_20210618T195005_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. |

| GS_OFFL_SIR_IOPN_2_202106187202211_20210618720222_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, The OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Backscatter Quality GS_OFFL_SIR_IOPN_2_20210618723440_20210618723440_20210618723440_20210618723440_20210618723440_20210618723440_20210618723440_20210618723440_20210618723440_20210618723440_20 |
|---|
| CS_OFFL_SIR_JOPN_2_202106187211640_202106187211601_C001 and Backscatter Quality PLEMA_CODE books and the Code Altimeter Range and Backscatter Quality PLEMA The OCOG Range and Backscatter Quality PLegs have been set for or o |
| CS_OFFL_SIR_IOPN_2_20210618122040_0016120040_0001 OCOG Backscatter Quality mere records. CS_OFFL_SIR_IOPN_2_202106187222453_202106187222618_C001 Cean Altimeter Range StAK SWH and the OCOG Altimeter Range and Backscatter Quality The OCean Altimeter Range. SHA, SWH and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPN_2_20210618723249_202106187232410_C001 OCOG Altimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_202106187232457_202106187232615_C001 OCOG Altimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_202106187232615_202106187232632_C001 OCOG Altimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_202106187232615_202106187232632_C001 OCOG Backscatter Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_20210618723449_20210618723449_20210618723449_C001 OCOG Backscatter Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_20210618723449_20210618723449_C001 OCOG Backscatter Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_20210618723449_202106187044659_C001 OCOG Backscatter Quality PLRM. The OCOG Range and Backscatter Quality Flags h |
| CS_OFFL_SIR_IOPN_2_20210618T222463_20210618T222618_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPN_2_20210618T23249_20210618T232410_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPN_2_20210618T232457_20210618T232615_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPN_2_20210618T232615_20210618T232615_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPN_2_20210618T232615_20210618T232615_20210618T23262_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPN_2_20210618T234449_20210618T234749_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPN_2_20210618T024642_20210618T024659_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPR_2_20210618T004718_20210618T004756_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for of OCOG Altimeter Range and Backscatter Q |
| CS_OFFL_SIR_IOPN_2_20210618123249_202106181232410_C001 OCOG Backscatter Quality nore records. CS_OFFL_SIR_IOPN_2_202106187232657_202106187232615_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_202106187232615_202106187232632_0C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPR_2_20210618T034644_20210618T004659_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPR_2_20210618T004718_20210618T004756_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPR_2_20210618T004718_20210618T004756_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPR_2_2021061 |
| CS_OFFL_SIR_IOPN_2_202106181232615_2021061812328015_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_202106187232615_202106187232829_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_202106187234822_202106187235033_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_20210618704044_202106187004659_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPR_2_202106187004044_202106187004756_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for or OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPR_2_202106187004718_202106187004756_C001 OCOG Altimeter Range Quality PLRM, OCOG OCOG Backscatter Quality PLRM, OCOG OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for or more records. Cs_OFFL_SIR_IOPR_2_202106187002201_202106187022807_C001 OCOG Altimeter Range SHA, SWH and Backscatter Quality PLRM, OCOG Altime |
| CS_OFFL_SIR_IOPN_2_202106181232615_202106181232829_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_202106181234449_202106181234749_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPN_2_20210618T234822_20210618T235033_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPN_2_20210618T004044_20210618T004659_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20210618T004044_20210618T004756_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20210618T004718_20210618T004756_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCOG Altimeter Range and Backsca |
| CS_OFFL_SIR_IOPN_2_202106181234449_202106181234749_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_202106187234822_202106187235033_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for omore records. CS_OFFL_SIR_IOPN_2_202106187004044_202106187004659_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 have been set for omore records. CS_OFFL_SIR_IOPR_2_202106187004718_202106187004756_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for omore records. CS_OFFL_SIR_IOPR_2_202106187004718_202106187004756_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for omore records. CS_OFFL_SIR_IOPR_2_202106187002201_202106187022807_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for omore records. Ocean Altimeter Range and Backscatter Quality Flags have been set for omore records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for omore records. |
| CS_OFFL_SIR_IOPN_2_202106181234822_202106181235033_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPR_2_20210618T004044_20210618T004659_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records. CS_OFFL_SIR_IOPR_2_20210618T004718_20210618T004756_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_20210618T00271 Ocean 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_20210618T022201_20210618T022807_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20210618T022201_20210618T022807_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records. |
| CS_OFFL_SIR_IOPR_2_20210618T004044_20210618T004659_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ind Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20210618T004718_20210618T004756_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_20210618T022201_20210618T022807_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_IOPR_2_202106181004718_202106181004756_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPR_2_20210618T022201_20210618T022807_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range Altimeter Range SSHA SWH |
| CS_OFFL_SIR_IOPR_2_20210618T022201_20210618T022807_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM PLRM Ocean Altimeter Range_SSHA_SWH and Backscatter Quality Flags have set for one or more records. |
| Ocean Altimeter Range, SSHA, SWH |
| CS_OFFL_SIR_IOPR_2_20210618T031633_20210618T031849_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have set for one or more records. |
| CS_OFFL_SIR_IOPR_2_20210618T035601_20210618T040340_C001 Ocean Altimeter Range, SSHA, SWH Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have blrm |
| CS_OFFL_SIR_IOPR_2_20210618T040648_20210618T040818_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COCOG Backscatter Quality More records. |
| CS_OFFL_SIR_IOPR_2_20210618T044303_20210618T044451_C001 Ocean Altimeter Range, SSHA, SWH Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM |
| CS_OFFL_SIR_IOPR_2_20210618T053531_20210618T054202_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have PLRM |
| CS_OFFL_SIR_IOPR_2_20210618T054202_20210618T054455_C001 Ocean Altimeter Range, SSHA, SWH Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM PLRM |
| CS_OFFL_SIR_IOPR_2_20210618T054858_20210618T054947_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COCOG Backscatter Quality More records. |
| CS_OFFL_SIR_IOPR_2_20210618T055557_20210618T055635_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COCOG Backscatter Quality More records. |
| CS_OFFL_SIR_IOPR_2_20210618T061124_20210618T061425_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COCOG Backscatter Quality More records. |
| CS_OFFL_SIR_IOPR_2_20210618T062154_20210618T062426_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have Altimeter Range and Backscatter Quality PLRM. |
| CS_OFFL_SIR_IOPR_2_20210618T063414_20210618T063756_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 bet for one or more records. |
| CS_OFFL_SIR_IOPR_2_20210618T071348_20210618T072102_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality FLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bet for one or more records. |
| CS_OFFL_SIR_IOPR_2_20210618T072102_20210618T072258_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality FLRM. OCOG Altimeter Range and Backscatter Quality FLRM. |

| CS_OFFL_SIR_IOPR_2_20210618T080027_20210618T080412_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_20210618T081353_20210618T081425_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_20210618T081457_20210618T081728_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_20210618T085518_20210618T090000_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_20210618T090000_20210618T090118_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_20210618T093747_20210618T094449_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_20210618T103318_20210618T103841_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_20210618T110223_20210618T110436_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_20210618T120658_20210618T120727_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_20210618T121330_20210618T121440_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_20210618T121517_20210618T121934_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_20210618T135120_20210618T135847_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_20210618T143938_20210618T144149_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_20210618T152924_20210618T153124_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_20210618T153138_20210618T153920_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_20210618T161812_20210618T162129_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_20210618T170156_20210618T170334_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_20210618T170835_20210618T170904_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_20210618T172144_20210618T172228_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_20210618T175721_20210618T180114_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_20210618T181056_20210618T181314_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_20210618T182018_20210618T182627_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_20210618T184413_20210618T184659_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_20210618T185055_20210618T185219_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_20210618T185223_20210618T190141_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_20210618T193629_20210618T193836_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_20210618T195006_20210618T195317_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_20210618T203223_20210618T204018_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_20210618T212806_20210618T213432_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_20210618T221128_20210618T221657_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_20210618T223754_20210618T223957_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_20210618T225440_20210618T225546_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_20210618T230653_20210618T230934_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 & 1Hz PLRM)

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

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

Number of products with errors:

200

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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 | s currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below. |
|--|---|
| Number of products with errors: | 53 |
| L2 Retracking Flags (20Hz, PLRM | 1) |
| CryoSat L2 data includes an ocean retracking | g 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): The | his flag is currently set for products IOPR and IOPN products over sea ice, but this is to be expected. |
| Number of products with errors: | 156 |
| | 6. IOP L2 Pole-to-Pole Data Quality Check |
| 6.1 P2P Product Format Chec | k |
| Each product, retrieved and unpacked from t | he science server, is checked to ensure it consists of both an XML header file (.HDR) and a NetCDF product file (.nc). |
| Number of products with errors: | 0 |
| 6.2 P2P Product Header Analy | 'sis |
| For all products, a series of pre-defined chec | ks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. |
| Number of products with errors: | 0 |
| 6.3 P2P Auxiliary Data File Us | age Check |
| Each product is checked for missing Data Se | et Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. |
| Number of products with errors: | 0 |
| 6.4 P2P Auxiliary Correction E | rror Check |
| For all products, the auxiliary corrections with | nin the Geophysical Group are checked for the default error value (32767). |
| Currently, there are come common and | any correction arrors related in the Lovel 2 products which are expected due to surface type. All common flags are summarized in the list below |

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.

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

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

Number of products with errors:

| Product | Test Failed | Description |
|---|--|--|
| CS_OFFL_SIR_IOP_220210617T235321_20210618T004257_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_220210618T004257_20210618T013236_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_220210618T013236_20210618T022212_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_220210618T022212_20210618T031151_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_220210618T031151_20210618T040127_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_220210618T040127_20210618T045106_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_220210618T045106_20210618T054041_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_220210618T054041_20210618T063020_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_220210618T063020_20210618T071956_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_220210618T071956_20210618T080935_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_220210618T080935_20210618T085911_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_220210618T085911_20210618T094849_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_220210618T094849_20210618T103825_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_220210618T103825_20210618T112804_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_220210618T112804_20210618T121740_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_220210618T121740_20210618T130719_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_220210618T130719_20210618T135655_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_220210618T135655_20210618T144634_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_220210618T144634_20210618T153609_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_220210618T153609_20210618T162548_C001 | Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) Non-Equilibrium Long Period | Topography (solution 1), and tidal corrections for one or more records |
| CS_OFFL_SIR_IOP_220210618T162548_20210618T171524_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_220210618T171524_20210618T180503_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_220210618T180503_20210618T185439_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_220210618T185439_20210618T194418_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_220210618T194418_20210618T203353_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_220210618T203353_20210618T212332_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_220210618T212332_20210618T221308_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_220210618T221308_20210618T230247_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_220210618T230247_20210618T235223_C001 | | 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__20210618T235223_20210619T004202_C001

Mean Sea Surface (1), Mean DynamicThere is an error with the MSS height (solution 1) and the Mean DynamicTopography (1)Topography height (solution 1)

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

6.6 P2P Measurement Quality Flag Check

| P2P Quality Flags (20Hz) | |
|---|---|
| CryoSat P2P data includes Quality Flags for each 20 | Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products. |
| Since the P2P Quality Flags are copied directly from | om the L2 Quality Flags, please see Section 5.6 for the full list of products affected. |
| Number of products with errors: | 29 |
| P2P Quality Flags (20Hz PLRM) | |
| Since the P2P Quality Flags are copied directly from | om the L2 Quality Flags, please see Section 5.6 for the full list of products affected. |
| Number of products with errors: | 30 |
| P2P Quality Flags (1 Hz & 1Hz PLRM) | |
| Since the P2P Quality Flags are copied directly from | om the L2 Quality Flags, please see Section 5.6 for the full list of products affected. |
| Number of products with errors: | 30 |
| 6.8 P2P Ocean Retracking Quality C | heck |
| | |
| | y flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. |
| Cryosat P2P data includes an ocean retracking quality | y flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. |
| Cryosat P2P data includes an ocean retracking quality | |
| Cryosat P2P data includes an ocean retracking quality Ocean Retracking Quality Flag (PLRM): This flag is Number of products with errors: | currently set for products IOPR and IOPN products over sea ice, but this is to be expected. |
| Cryosat P2P data includes an ocean retracking quality Ocean Retracking Quality Flag (PLRM): This flag is Number of products with errors: P2P Retracking Flags PLRM | currently set for products IOPR and IOPN products over sea ice, but this is to be expected. |
| Cryosat P2P data includes an ocean retracking quality Ocean Retracking Quality Flag (PLRM): This flag is Number of products with errors: P2P Retracking Flags PLRM CryoSat L2 data includes an ocean retracking quality | currently set for products IOPR and IOPN products over sea ice, but this is to be expected. |
| Ocean Retracking Quality Flag (PLRM): This flag is Number of products with errors: P2P Retracking Flags PLRM CryoSat L2 data includes an ocean retracking quality | s currently set for products IOPR and IOPN products over sea ice, but this is to be expected. 26 flag for each 20-Hz PLRM measurement record. The bit value of this flag indicates any problems when set. |

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

| | e No | o. Products | No. QCC Reports | No. Valid | No. W | arnings | No. Errors | | |
|--|---|---|--|--|--|---|---|--|--|
| SIR_IOPM1E | 3 | 159 | 159 | 2 | | 157 | 0 | | |
| SIR_IOPR1E | 3 | 114 | 109 | 2 | | 107 | 0 | | |
| SIR_IOPN1E | 3 | 109 | 114 | 0 | | 114 | 0 | | |
| SIR_IOPM_2 | 2 | 159 | 159 | 106 | | 53 | 0 | | |
| SIR_IOPR_2 | 2 | 114 | 109 | 41 | | 68 | 0 | | |
| SIR_IOPN_2 | 2 | 109 | 114 | 28 | | 86 | 0 | | |
| SIR_IOP_P2I | P | 29 | 29 | 0 | | 29 | 0 | | |
| 7.1 QCC Errors | 1 QCC Errors | | | | | | | | |
| Number of QCC repo | rts with errors: | 0 | | | | | | | |
| | | | | | | | | | |
| 7.2 QCC Warni | nas | | | | | | | | |
| | | | | | | | | | |
| Number of QCC repo | rts with warnings | 2269 | | | | | | | |
| | - | | Total num | ber of occurrences of ea | ch warning | | | | |
| Product Type | BCSHNCDF | MVIOEPFDNCDF | MVIOEPNCDF | MVIONCDF | RBSZOPOEPFDNCDF | RBSZOPOEPFDPLRM | INCERBSZOPOEPNCDF | | |
| | 457 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| SIR_IOPM1B | 157 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| SIR_IOPM1B SIR_IOPM_2 | 0 | 39 | 42 | 0 | 41 | 0 | 34 | | |
| | | 39 0 | 42 0 | 0 0 0 | 0 41 0 | 0 0 0 | 0 34 0 | | |
| SIR_IOPM_2 | 0 | 39 0 6 | 42 0 38 | 0 0 0 3 | 41 0 27 | 0 0 0 27 | 0 34 0 20 | | |
| SIR_IOPM_2 SIR_IOPN1B | 0 | 0 39 0 6 0 | 0 | 0 0 0 3 0 | 0 41 0 27 0 | 0 0 0 27 0 | 0 | | |
| SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 | 0 105 0 | 0 39 0 6 0 40 | 0 | 0 0 0 3 0 2 | 41 0 27 0 42 | 0 0 27 0 35 | 0 | | |
| SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B | 0 105 0 111 | 0 6 0 | 0 38 0 | 0 0 3 0 2 | 41 0 27 0 42 | 0 0 27 0 | 0 20 0 | | |
| SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B | 0 105 0 111 | 0 6 0 | 0 38 0 48 | 0 0 3 0 2 CRPEPOPFDPLRMSINNCD | | 0 0 27 0 | 0 20 0 24 | | |
| SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 | 0 105 0 111 0 | 0 6 0 40 | 0 38 0 48 | 0 0 3 0 2 2 CE RPEPOPFDPLRMSINNCD 0 | | 0 0 27 0 35 | 0 20 0 24 | | |
| SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 Product Type | 0 105 0 111 0 RNELPOTONCDF | 0 6 0 40 | 0 38 0 48 | 0 0 3 0 2 2 ERPEPOPFDPLRMSINNCD 0 0 | | 0 0 27 0 35 | 0 20 0 24 | | |
| SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 Product Type SIR_IOPM1B | 0 105 0 111 0 RNELPOTONCDF | 0 6 0 40 RPEPOPFDLRMNCDF 0 | 0 38 0 48 | 0 0 0 3 0 2 2 CE RPEPOPFDPLRMSINNCD 0 0 0 | | 0 0 27 0 35 | 0 20 0 24 | | |
| SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 Product Type SIR_IOPM1B SIR_IOPM_2 | 0 105 0 111 0 RNELPOTONCDF 0 2 | 0 6 0 40 RPEPOPFDLRMNCDF 0 | 0 38 0 48 | 0 0 3 0 2 2 ERPEPOPFDPLRMSINNCD 0 0 0 0 2 6 | | 0 0 27 0 35 | 0 20 0 24 | | |
| SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 Product Type SIR_IOPM1B SIR_IOPM1B SIR_IOPM1B | 0 105 0 111 0 RNELPOTONCDF 0 2 | 0 6 0 40 RPEPOPFDLRMNCDF 0 | 0 38 0 48 | 0 0 0 0 | | 0 0 27 0 35 | 0 20 0 24 | | |
| SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 Product Type SIR_IOPM1B SIR_IOPM1B SIR_IOPN1B SIR_IOPN_2 | 0 105 0 111 0 RNELPOTONCDF 0 2 | 0 6 0 40 RPEPOPFDLRMNCDF 0 | 0 38 0 48 | 0 0 0 0 | | 0 0 27 0 35 | 0 20 0 24 | | |
| SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 SIR_IOPM2 SIR_IOPM1B SIR_IOPM1B SIR_IOPN1B SIR_IOPN1B SIR_IOPN1B SIR_IOPN1B | 0 105 0 111 0 0 RNELPOTONCDF 0 2 0 2 0 2 0 2 0 | 0 6 0 40 RPEPOPFDLRMNCDF 0 | 0 38 0 48 RPEPOPFDPLRMSARNO 0 0 | 0 0 0 0 | RPEPOPFDSARNCDF000000000 | 0 0 27 0 35 | 0 20 0 24 | | |
| SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 SIR_IOPM2 SIR_IOPM1B SIR_IOPM1B SIR_IOPN1B SIR_IOPN1B SIR_IOPN1B SIR_IOPN1B | 0 105 0 111 0 0 RNELPOTONCDF 0 2 0 2 0 2 0 2 0 | 0 6 0 40 RPEPOPFDLRMNCDF 0 | 0 38 0 48 RPEPOPFDPLRMSARNO 0 0 | 0 0 0 0 | RPEPOPFDSARNCDF000000000 | 0 0 27 0 35 | 0 20 0 24 | | |
| SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 SIR_IOPM1B SIR_IOPM1B SIR_IOPM1B SIR_IOPN1B SIR_IOPN1B SIR_IOPN1B SIR_IOPR1B SIR_IOPR2 | 0 105 0 111 0 0 RNELPOTONCDF 0 2 0 2 0 2 0 2 0 2 0 8 | 0 6 0 40 40 0 33 0 0 0 0 0 0 0 0 0 0 0 0 | 0 38 0 48 RPEPOPFDPLRMSARNO 0 0 0 0 0 0 0 0 0 0 54 | 0 0 0 26 0 0 | RPEPOPFDSARNCDF 0 0 0 0 0 0 59 | 0 0 27 0 35 RPEPOPFDSINNCDF 0 0 0 35 | 0 20 0 24 RPEPOPLRMNCDF 0 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | |
| SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 SIR_IOPM1B SIR_IOPM1B SIR_IOPM1B SIR_IOPN1B SIR_IOPN1B SIR_IOPN1B SIR_IOPR1B SIR_IOPR12 SIR_IOPR1B | 0 105 0 111 0 KNELPOTONCDF 0 0 2 0 2 0 2 0 8 | 0 6 0 40 40 0 33 0 0 0 0 0 0 0 0 0 0 0 0 | 0 38 0 48 RPEPOPFDPLRMSARNO 0 0 0 0 0 0 0 0 0 0 54 | 0 0 0 26 0 0 | RPEPOPFDSARNCDF 0 0 0 0 0 0 59 | 0 0 27 0 35 RPEPOPFDSINNCDF 0 0 0 35 | 0 20 0 24 RPEPOPLRMNCDF 0 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | |
| SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 SIR_IOPM1B SIR_IOPM1B SIR_IOPN1B SIR_IOPN1B SIR_IOPN1B SIR_IOPR1B SIR_IOPR1B SIR_IOPR1B SIR_IOPR1B SIR_IOPR1B | 0 105 0 111 0 KNELPOTONCDF 0 0 2 0 2 0 2 0 8 | 0 6 0 40 40 0 33 0 0 0 0 0 0 0 0 0 0 0 0 | 0 38 0 48 RPEPOPFDPLRMSARNO 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 54 | 0 0 0 26 0 0 | RPEPOPFDSARNCDF 0 0 0 0 0 0 59 | 0 0 27 0 35 RPEPOPFDSINNCDF 0 0 0 35 | 0 20 0 24 RPEPOPLRMNCDF 0 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | |
| SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 SIR_IOPM1B SIR_IOPM1B SIR_IOPN1B SIR_IOPN1B SIR_IOPN2 SIR_IOPR1B SIR_IOPR1B SIR_IOPR2 SIR_IOPR2 | 0 105 0 111 0 RNELPOTONCDF 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 8 | 0 6 0 40 40 0 33 0 0 0 0 0 0 0 0 0 0 0 0 | 0 38 0 48 RPEPOPFDPLRMSARNO 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 54 | 0 0 0 26 0 0 | RPEPOPFDSARNCDF 0 0 0 0 0 0 59 | 0 0 27 0 35 RPEPOPFDSINNCDF 0 0 0 35 | 0 20 0 24 RPEPOPLRMNCDF 0 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | |
| SIR_IOPM_2 SIR_IOPN1B SIR_IOPR1B SIR_IOPR12 SIR_IOPR_2 SIR_IOPM1B SIR_IOPM12 SIR_IOPN1B SIR_IOPN1B SIR_IOPR1B SIR_IOPR1B SIR_IOPR1B SIR_IOPR2 SIR_IOPR1B SIR_IOPR1B | 0 105 0 111 0 RNELPOTONCDF 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 8 | 0 6 0 40 8 8 9 0 33 0 33 0 < | 0 38 0 48 RPEPOPFDPLRMSARNO 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 54 | 0 0 0 26 0 0 0 0 RSSHAOFDNCDF 0 31 0 | RPEPOPFDSARNCDF 0 0 0 0 0 0 59 | 0 0 27 0 35 RPEPOPFDSINNCDF 0 0 0 35 | 0 20 0 24 RPEPOPLRMNCDF 0 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | |

| Product Type | RSWHOEPFDPLRMNCDF | RSWHOEPNCDF | SPHRTASCNSNCDF | SOOHHIFHD | SCSTODHRNCDF | SCSTODNCDF | - |
|--------------|-------------------|-------------|----------------|-----------|--------------|------------|---|
| SIR_IOPM1B | 0 | 0 | 1 | 0 | 0 | 0 | |
| SIR_IOPM_2 | 0 | 2 | 1 | 0 | 0 | 0 | |
| SIR_IOPN1B | 0 | 0 | 0 | 0 | 51 | 2 | |
| SIR_IOPN_2 | 28 | 16 | 0 | 2 | 0 | 0 | |
| SIR_IOPR1B | 0 | 0 | 0 | 0 | 114 | 4 | |
| SIR_IOPR_2 | 53 | 1 | 0 | 2 | 0 | 0 | |

| Product Type | IOHHMOOR | MVIOEPFDNCDF | MVIOEPNCDF | MVIONCDF | RBSZOPOEPFDNCDF | RBSZOPOEPFDPLRMNCD | RBSZOPOEPNCDF |
|--------------|----------|--------------|------------|----------|-----------------|--------------------|---------------|
| SIR_IOP_2_ | 12 | 29 | 29 | 5 | 29 | 18 | 29 |

| Product Type | RNELPOTONCDF | RPEPOPFDPLRMSINNCD | RPEPOPFDSINNCDF | RPEPOPSINNCDF | RSSBCONCDF | RSSHAOFDNCDF | RSSHAOFDPLRMNCDF |
|--------------|--------------|--------------------|-----------------|---------------|------------|--------------|------------------|
| SIR_IOP_2_ | 7 | 18 | 29 | 26 | 21 | 29 | 19 |

| Product Type | RSSHAONCDF | RSWHOEPFDNCDF | RSWHOEPFDPLRMNCDF | RSWHOEPNCDF | SPHLPQWNCDF | - | - |
|--------------|------------|---------------|-------------------|-------------|-------------|---|---|
| SIR_IOP_2_ | 20 | 29 | 20 | 14 | 29 | | |

| Product Type - | - | - | - | - | - | - |
|----------------|---|---|---|---|---|---|
| SIR_IOP_2_ | | | | | | |

| Test Description Key: | | |
|-------------------------|---|--|
| Abbreviation | Test name | Details |
| BCSHNCDF | BurstCounterStep20HzNetCDF | The burst counter should be one higher with regard to the previous burst counter |
| MVIOEPFDNCDF | MissingValueIntOceanExcludingPolarFD2NetCDF | The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees |
| MVIOEPNCDF | MissingValueIntOceanExcludingPolarNetCDF | The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees |
| MVIONCDF | MissingValueIntOceanNetCDF | The value should not be a 'missing value' for surface type 0 only |
| RBSZOPOEPFDNCDF | RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF | The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RBSZOPOEPFDPLRM NCDF | RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF | The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RBSZOPOEPNCDF | RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF | The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RNELPOTONCDF | RangeNELPOceanTideOceanNetCDF | The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean |
| RPEPOPFDLRMNCDF | RangePeakinessExcludingPolarOPFD2LRMNetCDF | The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RPEPOPFDPLRMSAR NCDF | RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF | The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RPEPOPFDPLRMSINN CDF | RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF | The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| | 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 |
| DF | RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF | The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RSWHOEPNCDF | RangeSignificantWaveHeightOceanExcludingPolarNetCDF | The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| SPHRTASCNSNCDF | SPH_Rel_Time_ASC_Node_Start_v2_NetCDF | Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1) |
| | SameOrOneHigher1HzIndexFor20HzData | The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample |
| | 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: