







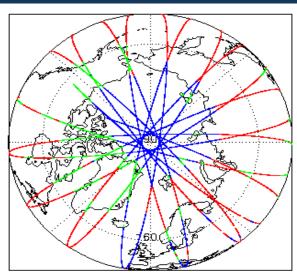
1. Overview

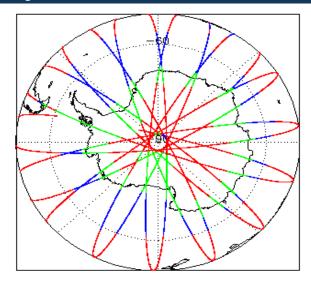
| Report Production: | 16-Oct-2019 CryoSat Ocean Processor | |
|--------------------|---|--|
| Processor Used: | | |
| Data Used: | Geophysical Ocean Products (GOP) L1B. L2 & P2P Science Data | |

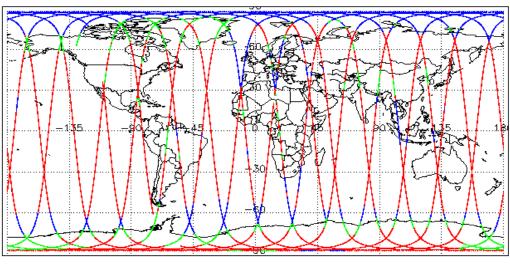
| Check | L1 & L2 | P2P |
|--|------------------------------|-----------------|
| Server check: science-pds.cryosat.esa.int | Nominal | Nominal |
| Server check: calval-pds.cryosat.esa.int | Nominal | Nominal |
| Product Software Check | Nominal | Nominal |
| Product Format Check | Nominal | Nominal |
| 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 and 5.5 | See Section 6.5 |
| 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 |

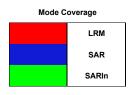
| Mission / Instrument News | | |
|---------------------------|--|--|
| 14-Sep-2019 | SIRAL unavailability on 14-Sep-2019 from 02:49:15 to 03:10:50 due to planned on-board maintenance. | |
| 15-Sep-2019 | None | |
| 16-Sep-2019 | Nothing planned | |

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

3

| Product | Test Failed | Description |
|---|---------------------|--|
| CS_OFFL_SIR_GOPM1B_20190915T065623_20190915T071207_C001 | Power scaling error | There is an error in the scaling of the L1B waveform for one or more records |
| CS_OFFL_SIR_GOPM1B_20190915T184254_20190915T184946_C001 | Power scaling error | There is an error in the scaling of the L1B waveform for one or more records |
| CS_OFFL_SIR_GOPM1B_20190915T222211_20190915T222556_C001 | Power scaling error | There is an error in the scaling of the L1B waveform for one or more records |

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

11

| Product | Test Failed | Description |
|---|--------------|--|
| CS_OFFL_SIR_GOPM1B_20190915T034127_20190915T034611_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPM1B_20190915T065623_20190915T071207_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPM1B_20190915T190138_20190915T191848_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPM1B_20190915T234251_20190915T234933_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPN1B_20190915T035934_20190915T040020_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPN1B_20190915T071618_20190915T071832_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPN1B_20190915T171730_20190915T172058_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPN1B_20190915T172103_20190915T172151_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPN1B_20190915T185912_20190915T190137_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPN1B_20190915T220926_20190915T220944_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPR1B_20190915T234933_20190915T235734_C001 | Loss of Echo | The tracking echo is missing for one or more records |

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

0

5.2 L2 Product Header Analysis

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

Number of products with errors: 0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

Currently, there are some common auxiliary correction errors raised in the Level 2 products 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 Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.
- > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Number of products with errors:

55

| Product | Test Failed | Description |
|---|------------------------------|---|
| CS_OFFL_SIR_GOPM_2_20190915T003630_20190915T004030_C001 | IMean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |

| CS_OFFL_SIR_GOPM_2_20190915T104252_20190915T104636_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one |
|--|---|---|
| | | or more records There is an error with the Mean Dynamic Topography (solution 1) for one |
| CS_OFFL_SIR_GOPM_2_20190915T220636_20190915T220926_C001 | Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic | or more records There is an error with the MSS height (solution 1) and the Mean Dynamic |
| CS_OFFL_SIR_GOPN_2_20190915T012912_20190915T013227_C001 | Topography (1) | Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T013747_20190915T013906_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T022902_20190915T022945_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T030757_20190915T031116_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T031643_20190915T031807_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T035712_20190915T035931_C001 | Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) | There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T035934_20190915T040020_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T045450_20190915T045629_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T053820_20190915T053918_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T063231_20190915T063442_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T071618_20190915T071832_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T080248_20190915T080435_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T085301_20190915T085656_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T095224_20190915T095421_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T134827_20190915T135047_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T144056_20190915T144221_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T144732_20190915T145038_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T162125_20190915T162422_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T171730_20190915T172058_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T172103_20190915T172151_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T180110_20190915T180345_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T185625_20190915T185738_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T193400_20190915T193502_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T193611_20190915T194204_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T203547_20190915T203809_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T211827_20190915T212018_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T221043_20190915T2211112_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T221532_20190915T222005_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPN_2_20190915T225804_20190915T225942_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T002947_20190915T003149_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T004050_20190915T004850_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |

| CS_OFFL_SIR_GOPR_2_20190915T021931_20190915T022752_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
|---|--|---|
| CS_OFFL_SIR_GOPR_2_20190915T040020_20190915T040818_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T053918_20190915T054500_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T071833_20190915T072516_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T085656_20190915T090218_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T103518_20190915T104213_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T121239_20190915T121546_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T121546_20190915T122014_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T123044_20190915T123132_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T135207_20190915T135827_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T135827_20190915T140002_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T152959_20190915T153726_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T153726_20190915T153935_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T171157_20190915T171620_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T171620_20190915T171730_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T184946_20190915T185419_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T185419_20190915T185625_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T202927_20190915T203547_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T221112_20190915T221532_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOPR_2_20190915T234933_20190915T235734_C001 | GPD Wet Tropospheric Correction, Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

3

| Product | Test Failed | Description |
|---|---------------------|---|
| CS_OFFL_SIR_GOPM_2_20190915T065623_20190915T071207_C001 | Power scaling error | There is an error in the scaling of the L2 waveform for one or more records |
| CS_OFFL_SIR_GOPM_2_20190915T184254_20190915T184946_C001 | Power scaling error | There is an error in the scaling of the L2 waveform for one or more records |
| CS_OFFL_SIR_GOPM_2_20190915T222211_20190915T222556_C001 | Power scaling error | There is an error in the scaling of the L2 waveform for one or more records |

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.

| Product | Test Failed | Description |
|---|--|--|
| CS_OFFL_SIR_GOPM_2_20190915T000242_20190915T002946_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T003630_20190915T004030_C001 | | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T005158_20190915T012444_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T013227_20190915T013747_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |

| CS_OFFL_SIR_GOPM_2_20190915T014424_20190915T014546_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
|---|--|--|
| CS_OFFL_SIR_GOPM_2_20190915T021122_20190915T021146_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T021528_20190915T021930_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T022752_20190915T022811_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T022945_20190915T023026_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T023106_20190915T024028_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T024313_20190915T030436_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T031236_20190915T031642_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T032213_20190915T033149_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T033337_20190915T033944_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T034127_20190915T034611_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T040818_20190915T044257_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T044621_20190915T045127_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T050228_20190915T053333_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T053700_20190915T053820_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T054646_20190915T060109_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T060134_20190915T062235_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T062518_20190915T063025_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T064005_20190915T065004_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T065623_20190915T071207_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T071509_20190915T071608_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T072526_20190915T074609_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T074748_20190915T080114_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T080435_20190915T080935_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T081751_20190915T083713_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T083716_20190915T084000_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T084123_20190915T085301_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |

| CS_OFFL_SIR_GOPM_2_20190915T091850_20190915T093927_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
|---|--|--|
| CS_OFFL_SIR_GOPM_2_20190915T094515_20190915T094852_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T094914_20190915T095224_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T095619_20190915T102253_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T105502_20190915T111923_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T112257_20190915T112806_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T113542_20190915T120853_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T122112_20190915T122821_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T125446_20190915T125833_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T130256_20190915T130839_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T130916_20190915T131041_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T131626_20190915T134827_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T140003_20190915T140228_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T142108_20190915T143650_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T144222_20190915T144732_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T145442_20190915T152959_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T153936_20190915T154153_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T155206_20190915T155644_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T155723_20190915T161536_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T163416_20190915T170957_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T172151_20190915T174104_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T174147_20190915T175505_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T180709_20190915T181046_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T181318_20190915T182807_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T183009_20190915T183931_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T190138_20190915T191848_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20190915T193502_20190915T193611_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
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| DOC ANT - SEC COPPL 2 20180910719205 2 20190910719205 CO CO CO Ant - Sec COPPL 2 20180910719205 2 20190910719205 CO CO CO Ant - Sec COPPL 2 20180910719205 2 20190910719205 CO | CS_OFFL_SIR_GOPM_2_20190915T194204_20190915T194509_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
|--|---|---|---|
| Col. Col. Co | CS_OFFL_SIR_GOPM_2_20190915T194513_20190915T194947_C001 | | |
| Col. OFFL. SR. GOML 2. 2019091012009 20190910120010 COI Col. OFFL. SR. GOML 2. 2019091012009 COI | CS_OFFL_SIR_GOPM_2_20190915T195256_20190915T200637_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Co. OFFL SR, GOPM 2 2019091072050E 2019091572050E | CS_OFFL_SIR_GOPM_2_20190915T200653_20190915T200710_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_GOPM_2_20100915720547_20109915712018_C001 CS_OFFL_SIR_GOPM_2_2010091572018_20109915721225_C001 CS_OFFL_SIR_GOPM_2_2010091572009_2010991572225_C001 CS_OFFL_SIR_GOPM_2_2010091572009_2010991572225_C001 CS_OFFL_SIR_GOPM_2_2010091572200_2010991572225_C001 CS_OFFL_SIR_GOPM_2_2010091572200_2010991572225_C001 CS_OFFL_SIR_GOPM_2_20100915722200_2010991572225_C001 CS_OFFL_SIR_GOPM_2_2010091572200_2010991572200_20109915722000_2010 | CS_OFFL_SIR_GOPM_2_20190915T204506_20190915T205216_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| CS_OFFL_SIR_GOPM_2_2010091571205420100915712059 | CS_OFFL_SIR_GOPM_2_20190915T205247_20190915T205440_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Backscatter Quality 67. OPPL_SIR_OPPM_2_201900157212239_201900157212243_20100157212243_COD 78. OPPL_SIR_OPPM_2_201900157212230_201900157212700_COD 78. OPPL_SIR_OPPM_2_201900157212240_201900157212700_COD 78. OPPL_SIR_OPPM_2_201900157212240_201900157212700_COD 78. OPPL_SIR_OPPM_2_201900157212240_201900157225540_COD 78. OPPL_SIR_OPPM_2_201900157225943_201900157225540_COD 78. OPPL_SIR_OPPM_2_201900157225943_20190015723003_COD 78. OPPL_SIR_OPPM_2_201900157225940_20190015723003_COD 78. OPPL_SIR_OPPM_2_20190015723002_201900157230045_COD 78. OPPL_SIR_OPPM_2_20190015723002_20190015723002_COD 78. OPPL_SIR_OPPM_2_20190015723002_COD 78. OPPL_SIR_OPPM_2_20190015723002_COD 78. OPPL_SIR_OPPM_2_20190015723002_COD 78. OPPL_SIR_OPPM_2_201900157034033_COD 78. OPPL_SIR_OPPM_2_201900157034033_COD 78. OPPL_SIR_OPPM_2_201900157034033_COD 78. OPPL_SIR_OPPM_2_201900157034033_COD 78. OPPL_SIR_OPPM_2_201900157034033_COD 78. OPPL_SIR_OPPM_2_201900157034033_COD 78. OPPL_SIR_OPPM_2_201900157034033_COD01500150000000000000000000000000000000 | CS_OFFL_SIR_GOPM_2_20190915T205443_20190915T211630_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Backscatter Cuality CS_OFFL_SIR_GOPM_2_201009157121240_201009157121500_C001 and Rinchest Range, SSHA, SWH and Backscatter Cuality Flags have been set for one or more seconds. CS_OFFL_SIR_GOPM_2_2010015723920_20100015723044_0001 CS_OFFL_SIR_GOPM_2_2010015723920_20100015723952_00010015723952_0001 CS_OFFL_SIR_GOPM_2_2010015723952_00010015723952_0001 CS_OFFL_SIR_GOPM_2_2010015723952_00010015723952_0001 CS_OFFL_SIR_GOPM_2_2010015723952_00010015723952_0001 CS_OFFL_SIR_GOPM_2_2010015723952_00010015723953_0001 CS_OFFL_SIR_GOPM_2_2010015723952_00010015723953_0001 CS_OFFL_SIR_GOPM_2_2010015733950_00010015723953_0001 CS_OFFL_SIR_GOPM_2_2010015733950_00010015723953_0001 CS_OFFL_SIR_GOPM_2_2010015733950_00010015723953_0001 CS_OFFL_SIR_GOPM_2_2010015733950_00010015723953_0001 CS_OFFL_SIR_GOPM_2_2010015733950_00010015723950_00010010015 | CS_OFFL_SIR_GOPM_2_20190915T212018_20190915T212235_C001 | | |
| and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been set for one from records. CS_OFFL_SIR_GOPM_2_20190915T225943_20190915T225540_CO01 CS_OFFL_SIR_GOPM_2_20190915T225943_20190915T225940_CO01 CS_OFFL_SIR_GOPM_2_20190915T225943_20190915T220103_CO01 CS_OFFL_SIR_GOPM_2_20190915T225943_20190915T230103_CO01 CS_OFFL_SIR_GOPM_2_20190915T230200_20190915T2301045_CO01 CS_OFFL_SIR_GOPM_2_20190915T230200_20190915T2301045_CO01 CS_OFFL_SIR_GOPM_2_20190915T230200_20190915T2301045_CO01 CS_OFFL_SIR_GOPM_2_20190915T230500_20190915T2301045_CO01 CS_OFFL_SIR_GOPM_2_20190915T230500_20190915T230500_CO01 CS_OFFL_SIR_GOPM_2_20190915T230500_CO01 CS_OFFL_SIR_GOPM_2_20190915T230500_CO01 CS_OFFL_SIR_GOPM_2_20190915T230500_CO01 CS_OFFL_SIR_GOPM_2_20190915T230500_CO01 CS_OFFL_SIR_GOPM_2_20190915T230500_CO01 CS_OFFL_SIR_GOPM_2_20190915T230500_CO01 CS_OFFL_SIR_GOPM_2_20190915T230500_CO01 CS_OFFL_SIR_GOPM_2_20190915T230500_CO01 CS_OFFL_SIR_GOPM_2_20190915T230500_CO01 CS_OFFL_SIR_GOPM_2_20190915T001500_CO01 CS_OFFL_SIR_GOPM_2_20190915T1001500_CO01 CS_OFFL_S | CS_OFFL_SIR_GOPM_2_20190915T212238_20190915T212843_C001 | | |
| and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_201009157229043_201909157230103_C001 CS_OFFL_SIR_GOPM_2_201009157220020_201909157230103_C001 CS_OFFL_SIR_GOPM_2_201009157230200_201909157230753_C001 CS_OFFL_SIR_GOPM_2_201009157230200_201909157230753_C001 CS_OFFL_SIR_GOPM_2_201009157230750_201909157230753_C001 CS_OFFL_SIR_GOPM_2_201009157230750_201909157230753_C001 CS_OFFL_SIR_GOPM_2_201009157230750_201909157230750_C001 CS_OFFL_SIR_GOPM_2_201009157040408_201909157040914_C001 CS_OFFL_SIR_GOPM_2_201009157040908_201909157040914_C001 CS_OFFL_SIR_GOPM_2_201009157094098_201909157040914_C001 CS_OFFL_SIR_GOPM_2_201009157094098_201909157040914_C001 CS_OFFL_SIR_GOPM_2_201009157094098_201909157040914_C001 CS_OFFL_SIR_GOPM_2_201009157094098_2019091571309016_C001 CS_OFFL_SIR_GOPM_2_201009157094098_2019091571309016_C001 CS_OFFL_SIR_GOPM_2_2010091571094098_2019091571309016_C001 CS_OFFL_SIR_GOPM_2_2010091571094098_2019091571309016_C001 CS_OFFL_SIR_GOPM_2_2010091571094098_2019091571309016_C001 CS_OFFL_SIR_GOPM_2_2010091571094098_2019091571309016_C001 CS_OFFL_SIR_GOPM_2_2010091571094098_2019091571309016_C001 CC_OFFL_SIR_GOPM_2_2010091571094098_2019091571309016_C001 CC_OFFL_SIR_GOPM_2_2010091571094098_2019091571309016_C001 CC_OFFL_SIR_GOPM_2_2010091571094098_2019091571309016_C001 CC_OFFL_SIR_GOPM_2_2010091571094098_2019091571309016_C001 CC_OFFL_SIR_GOPM_2_2010091571094098_2019091571309016_C001 CC_OFFL_SIR_GOPM_2_20100915 | CS_OFFL_SIR_GOPM_2_20190915T213240_20190915T215709_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Backscatter Quality CS_OFFL_SIR_GOPM_2_20190915T230230_20190915T230645_C001 CS_OFFL_SIR_GOPM_2_20190915T231200_20190915T23055_C001 CS_OFFL_SIR_GOPM_2_20190915T231200_20190915T23052_C001 CS_OFFL_SIR_GOPM_2_20190915T231200_20190915T23052_C001 CS_OFFL_SIR_GOPM_2_20190915T231200_20190915T23052_C001 CS_OFFL_SIR_GOPM_2_20190915T23056_20190915T23052_C001 CS_OFFL_SIR_GOPM_2_20190915T23056_20190915T23052_C001 CS_OFFL_SIR_GOPM_2_20190915T234251_20190915T24053_C001 CS_OFFL_SIR_GOPM_2_20190915T044432_20190915T046821_C001 CS_OFFL_SIR_GOPM_2_20190915T044432_20190915T046821_C001 CS_OFFL_SIR_GOPM_2_20190915T04452_C001 CS_OFFL_SIR_GOPM_2_20190915T04452_C001 CS_OFFL_SIR_GOPM_2_20190915T04508_C001 CS_OFFL_SIR_GOPM_2_20190915T04508_C001 CS_OFFL_SIR_GOPM_2_20190915T04508_C001 CS_OFFL_SIR_GOPM_2_20190915T04508_C001 CS_OFFL_SIR_GOPM_2_20190915T04508_C001 CS_OFFL_SIR_GOPM_2_20190915T04508_C001 CS_OFFL_SIR_GOPM_2_20190915T1304508_C001 CS_OFFL_SIR_GOPM_2_20190915T130458_C001 CCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records. CCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records. CCOG Allimeter Range and Backscatter Quality Flags | CS_OFFL_SIR_GOPM_2_20190915T223000_20190915T225540_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Backscatter Quality CS_OFFL_SIR_GOPM_2_20190915T231209_20190915T233753_C001 CS_OFFL_SIR_GOPM_2_20190915T231209_20190915T233753_C001 CS_OFFL_SIR_GOPM_2_20190915T233756_20190915T233753_C001 CS_OFFL_SIR_GOPM_2_20190915T233756_20190915T233952_C001 CS_OFFL_SIR_GOPM_2_20190915T233756_20190915T233952_C001 CS_OFFL_SIR_GOPM_2_20190915T234251_20190915T234933_C001 CS_OFFL_SIR_GOPM_2_20190915T044032_20190915T044032_C001 CS_OFFL_SIR_GOPM_2_20190915T044032_20190915T044021_C001 CS_OFFL_SIR_GOPM_2_20190915T071207_20190915T071508_C001 CS_OFFL_SIR_GOPM_2_20190915T071207_20190915T071508_C001 CS_OFFL_SIR_GOPM_2_20190915T07190915T071508_C001 CS_OFFL_SIR_GOPM_2_20190915T094908_20190915T094914_C001 CS_OFFL_SIR_GOPM_2_20190915T094908_20190915T094914_C001 CS_OFFL_SIR_GOPM_2_20190915T094908_20190915T094914_C001 CS_OFFL_SIR_GOPM_2_20190915T113114_20190915T113310_C001 CS_OFFL_SIR_GOPM_2_20190915T113114_20190915T113206_C001 CS_OFFL_SIR_GOPM_2_20190915T113114_20190915T113206_C001 CS_OFFL_SIR_GOPM_2_20190915T1130135_20190915T102001 CS_OFFL_SIR_GOPM_2_20190915T1130135_20190915T102001 CS_OFFL_SIR_GOPM_2_20190915T130135_20190915T102001 CS_OFFL_SIR_GOPM_2_20190915T130135_20190915T102001 CS_OFFL_SIR_GOPM_2_20190915T130135_20190915T102001 CS_OFFL_SIR_GOPM_2_20190915T130135_20190915T102001 CS_OFFL_SIR_GOPM_2_20190915T130135_20190915T102001 CS_OFFL_SIR_GOPM_2_20190915T130135_20190915T102001 CS_OFFL_SIR_GOPM_2_20190915T130135_20190915T102001 CS_OFFL_SIR_GOPM_2_20190915T130135_20190915T102001 CS_OFFL_SIR_GOPM_2_20190915T130135_20190915T102001 CS_OFFL_SIR_GOPM_2_20190915T130135_20190915T130266_C001 CS_OFFL_SIR_GOPM_2_20190915T144732_20190915T13036_C001 CS_OFFL_SIR_GOPM_2_20190915T144732_20190915T13036_C001 CS_OFFL_SIR_GOPM_2_20190915T144732_20190915T13036_C001 CS_OFFL_SIR_GOPM_2_20190915T144732_20190915T144038_C001 CS_OFFL_SIR_GOPM_2_20190915T144732_20190915T144038_C001 CS_OFFL_SIR_GOPM_2_20190915T144732_20190915T144038_C001 CS_OFFL_SIR_GOPM_2_20190915T144732_20190915T144038_C001 CS_OFFL_SIR_GOPM_2_20190915T144732_2 | CS_OFFL_SIR_GOPM_2_20190915T225943_20190915T230103_C001 | | |
| and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_GOPM_2_20190915T233756_20190915T233952_CO01 CS_OFFL_SIR_GOPM_2_20190915T234251_20190915T233952_CO01 CS_OFFL_SIR_GOPM_2_20190915T234251_20190915T234933_CO01 CS_OFFL_SIR_GOPM_2_20190915T234251_20190915T234933_CO01 CS_OFFL_SIR_GOPM_2_20190915T044432_20190915T044621_CO01 CS_OFFL_SIR_GOPM_2_20190915T071207_20190915T044621_CO01 CS_OFFL_SIR_GOPM_2_20190915T071207_20190915T044621_CO01 CS_OFFL_SIR_GOPM_2_20190915T071207_20190915T074602_CO01 CS_OFFL_SIR_GOPM_2_20190915T071207_20190915T074602_CO01 CS_OFFL_SIR_GOPM_2_20190915T071207_20190915T094914_CO01 CS_OFFL_SIR_GOPM_2_20190915T071207_20190915T094914_CO01 CS_OFFL_SIR_GOPM_2_20190915T13414_20190915T13310_CO01 CS_OFFL_SIR_GOPM_2_20190915T13414_20190915T13310_CO01 CS_OFFL_SIR_GOPM_2_20190915T130152_20190915T122040_CO01 CS_OFFL_SIR_GOPM_2_20190915T130135_20190915T130256_CO01 CS_OFFL_SIR_GOPM_2_20190915T130135_20190915T130156_CO01 CS_OFFL_SIR_GOPM_2_201 | CS_OFFL_SIR_GOPM_2_20190915T230230_20190915T230645_C001 | | |
| CS_OFFL_SIR_GOPM_2_20190915T234251_20190915T234933_C001 CS_OFFL_SIR_GOPM_2_20190915T234251_20190915T234933_C001 CS_OFFL_SIR_GOPM_2_20190915T044432_20190915T044621_C001 CS_OFFL_SIR_GOPM_2_20190915T044432_20190915T044621_C001 CS_OFFL_SIR_GOPM_2_20190915T071207_20190915T071508_C001 CS_OFFL_SIR_GOPM_2_20190915T071207_20190915T071508_C001 CS_OFFL_SIR_GOPM_2_20190915T071207_20190915T071508_C001 CS_OFFL_SIR_GOPM_2_20190915T094908_20190915T094914_C001 CS_OFFL_SIR_GOPM_2_20190915T094908_20190915T094914_C001 CS_OFFL_SIR_GOPM_2_20190915T13141_20190915T13310_C001 Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20190915T094908_20190915T094914_C001 CS_OFFL_SIR_GOPM_2_20190915T130114_20190915T103016_C001 CS_OFFL_SIR_GOPM_2_20190915T130135_20190915T103056_C001 CS_OFFL_SIR_GOPM_2_20190915T130135_20190915T130256_C001 CS_OFFL_SIR_GOPM_2_20190915T130339_20190915T130916_C001 CS_OFFL_SIR_GOPM_2_20190 | CS_OFFL_SIR_GOPM_2_20190915T231209_20190915T233753_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| and Backscatter Quality oCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20190915T074207_20190915T071508_C001 CS_OFFL_SIR_GOPN_2_20190915T074207_20190915T071508_C001 CS_OFFL_SIR_GOPN_2_20190915T094908_20190915T094914_C001 CS_OFFL_SIR_GOPN_2_20190915T1094908_20190915T094914_C001 CS_OFFL_SIR_GOPN_2_20190915T131411_20190915T113310_C001 CS_OFFL_SIR_GOPN_2_20190915T122015_20190915T122040_C001 CS_OFFL_SIR_GOPN_2_20190915T122015_20190915T122040_C001 CS_OFFL_SIR_GOPN_2_20190915T130135_20190915T130256_C001 CS_OFFL_SIR_GOPN_2_20190915T130135_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T14782807_20190915T145038_C001 CS_OFFL_SIR_GOPN_2_20190915T14782807_20190915T145038_C001 CS_OFFL_SIR_GOPN_2_20190915T14782807_20190915T145038_C001 CS_OFFL_SIR_GOPN_2_20190915T14782807_20190915T162635_201 | CS_OFFL_SIR_GOPM_2_20190915T233756_20190915T233952_C001 | | |
| Backscatter Quality CS_OFFL_SIR_GOPN_2_20190915T071207_20190915T071508_C001 CS_OFFL_SIR_GOPN_2_20190915T094908_20190915T094914_C001 CS_OFFL_SIR_GOPN_2_20190915T1904908_20190915T094914_C001 CS_OFFL_SIR_GOPN_2_20190915T113141_20190915T113310_C001 CS_OFFL_SIR_GOPN_2_20190915T113141_20190915T113310_C001 CS_OFFL_SIR_GOPN_2_20190915T113141_20190915T113310_C001 CS_OFFL_SIR_GOPN_2_20190915T113141_20190915T122040_C001 CS_OFFL_SIR_GOPN_2_20190915T122015_20190915T122040_C001 CS_OFFL_SIR_GOPN_2_20190915T130135_20190915T12040_C001 CS_OFFL_SIR_GOPN_2_20190915T130135_20190915T130256_C001 CS_OFFL_SIR_GOPN_2_20190915T130135_20190915T130256_C001 CS_OFFL_SIR_GOPN_2_20190915T130135_20190915T130256_C001 CS_OFFL_SIR_GOPN_2_20190915T130135_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T144732_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T144732_20190915T145038_C001 CS_OFFL_SIR_GOPN_2_20190915T144732_20190915T145038_C001 CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 COCOM Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 CCOCOM Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OF | CS_OFFL_SIR_GOPM_2_20190915T234251_20190915T234933_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20190915T094908_20190915T094914_C001 CS_OFFL_SIR_GOPN_2_20190915T13141_20190915T13310_C001 CS_OFFL_SIR_GOPN_2_20190915T13141_20190915T13310_C001 CS_OFFL_SIR_GOPN_2_20190915T13015_20190915T122040_C001 CS_OFFL_SIR_GOPN_2_20190915T130135_20190915T130256_C001 CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T145038_C001 CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C00 | CS_OFFL_SIR_GOPN_2_20190915T044432_20190915T044621_C001 | | |
| Backscatter Quality Cs_OFFL_SIR_GOPN_2_20190915T113141_20190915T113310_C001 Cs_OFFL_SIR_GOPN_2_20190915T113141_20190915T113310_C001 Cs_OFFL_SIR_GOPN_2_20190915T122015_20190915T122040_C001 Cs_OFFL_SIR_GOPN_2_20190915T12015_20190915T130256_C001 Cs_OFFL_SIR_GOPN_2_20190915T130135_20190915T130256_C001 Cs_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 Cs_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 Cs_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 Cs_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 Cs_OFFL_SIR_GOPN_2_20190915T144732_20190915T145038_C001 Cs_OFFL_SIR_GOPN_2_20190915T144732_20190915T162635_20190915T163156_C001 Cs_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Cs_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 Ccan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ccan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ccan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ccan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ccan Altimeter Range and Backscatter Quality Flags have been set for one o | CS_OFFL_SIR_GOPN_2_20190915T071207_20190915T071508_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20190915T122015_20190915T122040_C001 CS_OFFL_SIR_GOPN_2_20190915T130135_20190915T130256_C001 CS_OFFL_SIR_GOPN_2_20190915T130135_20190915T130256_C001 CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130256_C001 CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T144732_20190915T145038_C001 CS_OFFL_SIR_GOPN_2_20190915T144732_20190915T145038_C001 CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 CCOGA Altimeter Range Quality, OCOGA Itimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 CCOGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CCOGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CCOGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. | CS_OFFL_SIR_GOPN_2_20190915T094908_20190915T094914_C001 | | |
| and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20190915T130135_20190915T130256_C001 CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T144732_20190915T145038_C001 CS_OFFL_SIR_GOPN_2_20190915T144732_20190915T145038_C001 CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 CS_OFFL_SI | CS_OFFL_SIR_GOPN_2_20190915T113141_20190915T113310_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Backscatter Quality CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 Backscatter Quality CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 CS_OFFL_SIR_GOPN_2_20190915T144732_20190915T145038_C001 CS_OFFL_SIR_GOPN_2_20190915T144732_20190915T145038_C001 CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 Backscatter Quality CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. | CS_OFFL_SIR_GOPN_2_20190915T122015_20190915T122040_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| Backscatter Quality CS_OFFL_SIR_GOPN_2_20190915T13039_20190915T145038_C001 Does Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 Does Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 DOES Altimeter Range and Backscatter Quality Flags have been set for one or more records. | CS_OFFL_SIR_GOPN_2_20190915T130135_20190915T130256_C001 | | |
| CS_OFFL_SIR_GOPN_2_20190915T144732_20190915T145038_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 CS_OFFL_SIR_GOPN_2_20190915T162635_20 | CS_OFFL_SIR_GOPN_2_20190915T130839_20190915T130916_C001 | | |
| CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records. CS_OFFL_SIR_GOPR_2_20190915T182807_20190915T183009_C001 CS_OFFL_SIR_GOPR_2_20190915T182807_20190915T183009_C001 | CS_OFFL_SIR_GOPN_2_20190915T144732_20190915T145038_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| | CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 | and Backscatter Quality, OCOG | and the OCOG Altimeter Range and Backscatter Quality Flags have been |
| | CS_OFFL_SIR_GOPR_2_20190915T182807_20190915T183009_C001 | | |

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.

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| Product | Test Failed | Description |
|---|---|--|
| CS_OFFL_SIR_GOPN_2_20190915T004030_20190915T004050_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T004850_20190915T005010_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T005023_20190915T005158_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T015657_20190915T015756_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T021113_20190915T021122_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T021400_20190915T021527_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T022902_20190915T022945_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T031643_20190915T031807_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T044432_20190915T044621_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T045450_20190915T045629_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T053820_20190915T053918_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T054500_20190915T054517_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T062336_20190915T062517_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T063056_20190915T063103_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T063231_20190915T063442_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T065004_20190915T065110_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T071207_20190915T071508_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T071618_20190915T071832_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T085301_20190915T085656_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T090218_20190915T090250_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T091323_20190915T091706_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T095224_20190915T095421_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T105338_20190915T105502_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T113141_20190915T113310_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. |

| | OCOG Altimeter Range Quality PLRM, | The OCOG Range and Backscatter Quality Flags have been set for one or |
|---|---|--|
| CS_OFFL_SIR_GOPN_2_20190915T121105_20190915T121238_C001 | OCOG Backscatter Quality | more records. |
| CS_OFFL_SIR_GOPN_2_20190915T122015_20190915T122040_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T131041_20190915T131155_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T134827_20190915T135047_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T140228_20190915T140324_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T144732_20190915T145038_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T155645_20190915T155723_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T162125_20190915T162422_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T162635_20190915T163156_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T171730_20190915T172058_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T180110_20190915T180345_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T181046_20190915T181222_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T183931_20190915T184254_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T185625_20190915T185738_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T185912_20190915T190137_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T191848_20190915T192413_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T193611_20190915T194204_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T194947_20190915T195132_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T203829_20190915T204011_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T204342_20190915T204505_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T205216_20190915T205246_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T211827_20190915T212018_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T212843_20190915T213050_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T220505_20190915T220627_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T221532_20190915T222005_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T222049_20190915T222211_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20190915T230103_20190915T230229_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| | | |

| CS_OFFL_SIR_GOPN_2_20190915T230646_20190915T230940_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
|---|---|--|
| CS_OFFL_SIR_GOPR_2_20190915T000045_20190915T000242_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T002947_20190915T003149_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T003517_20190915T003630_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T004050_20190915T004850_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T012444_20190915T012912_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T013906_20190915T014424_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T020638_20190915T021023_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T021229_20190915T021400_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T021931_20190915T022752_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T030436_20190915T030756_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T031808_20190915T032213_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T040020_20190915T040818_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T045629_20190915T050227_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T053918_20190915T054500_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T054517_20190915T054646_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T062235_20190915T062336_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T063443_20190915T064005_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T065410_20190915T065623_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T071833_20190915T072516_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T085656_20190915T090218_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T090250_20190915T090409_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T095422_20190915T095619_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T103518_20190915T104213_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T111923_20190915T112122_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T121100_20190915T121105_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T121239_20190915T121546_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |

| CS_OFFL_SIR_GOPR_2_20190915T121546_20190915T122014_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
|---|---|--|
| CS_OFFL_SIR_GOPR_2_20190915T125833_20190915T130135_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T131155_20190915T131626_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T135207_20190915T135827_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T140338_20190915T140707_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T140956_20190915T141315_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T143650_20190915T144056_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T145038_20190915T145441_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T154153_20190915T155206_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T161536_20190915T162125_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T170957_20190915T171102_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T171157_20190915T171620_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T175506_20190915T180110_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T184946_20190915T185419_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T185419_20190915T185625_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T195132_20190915T195256_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T200710_20190915T201407_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T202927_20190915T203547_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T213051_20190915T213240_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T221112_20190915T221532_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T230940_20190915T231208_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T233952_20190915T234036_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20190915T234933_20190915T235734_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)

 $\label{lem:currently} \textbf{Currently, there are several common flags raised in the Level 2 products, which are summarised below.}$

> 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:

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 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.

L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors:

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

6.1 P2P Product Format Check

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

Number of products with errors:

C

6.2 P2P Product Header Analysis

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

Number of products with errors:

0

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

0

6.4 P2P Auxiliary Correction Error Check

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

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

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

| Product | Test Failed | Description |
|--|---|--|
| CS_OFFL_SIR_GOP_2_20190914T235347_20190915T004323_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20190915T004323_20190915T013300_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20190915T013300_20190915T022236_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220190915T022236_20190915T031214_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20190915T031214_20190915T040150_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_GOP_220190915T040150_20190915T045127_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20190915T045127_20190915T054103_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20190915T054103_20190915T063041_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20190915T063041_20190915T072017_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20190915T072017_20190915T080954_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220190915T080954_20190915T085930_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220190915T085930_20190915T094908_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20190915T094908_20190915T103844_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20190915T103844_20190915T112822_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20190915T112822_20190915T121757_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220190915T121757_20190915T130735_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220190915T130735_20190915T135711_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220190915T135711_20190915T144649_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220190915T144649_20190915T153624_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records |
| CS_OFFL_SIR_GOP_220190915T153624_20190915T162602_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |

| CS OFFE SIR GOP 2 201909151162602 201909151171538 C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
|--|---|--|
| CS_OFFL_SIR_GOP_220190915T171538_20190915T180516_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records |
| CS_OFFL_SIR_GOP_220190915T180516_20190915T185452_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220190915T185452_20190915T194429_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20190915T194429_20190915T203405_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20190915T203405_20190915T212343_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20190915T212343_20190915T221319_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_2_20190915T221319_20190915T230256_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_GOP_220190915T235232_20190916T004210_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |

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 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 the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

Number of products with errors: 3

P2P Quality Flags (1 Hz & 1Hz PLRM)

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

Number of products with errors: 3

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20Hz)

Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

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

Number of products with errors: 2

P2P Retracking Flags PLRM

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

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