

QA4EO Daily Report for IOP data:

<u>20/03/2022</u>

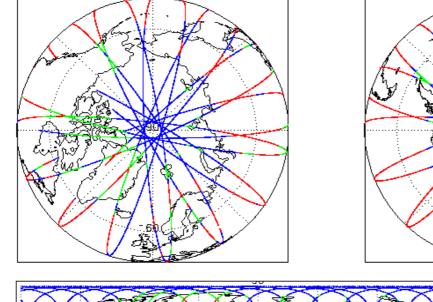
IDEAS-QA4E0

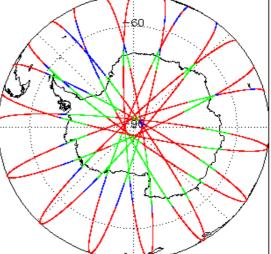
| Device the Device strengthered | 00.14 0000 | Check | L1 & L2 | P2P |
|--------------------------------|---|--|-------------------------|----------------------|
| Report Production: | 23-Mar-2022 | Server check: science-pds.cryosat.esa.int | Nominal | Nominal |
| Processor Used: | CryoSat Ocean Processor | Server check: calval-pds.cryosat.esa.int | Nominal | Nominal |
| Processor useu: | | Product Software Check | Nominal | Nominal |
| Data Used: | Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data | Product Format Check | Nominal | Nominal |
| Data Used: | | Product Header Analysis | Nominal | Nominal |
| | | Auxiliary Data File Usage Check | Nominal | Nominal |
| | | Auxiliary Correction Error Check | See Section 5.4 | See Section 6.4 |
| | | Measurement Confidence Data Check | See Section 4.5, 4.6 | Nominal |
| | | Range, SWH & Backscatter Measurement Check | See Section 5.6 | See Section 6.6 |
| | | Ocean Retracking Quality Check | See Section 5.7 | See Section 6.7 |
| | | QCC Error/ Warning Check | See Section 7.1 and 7.2 | See Section 7.1, 7.2 |

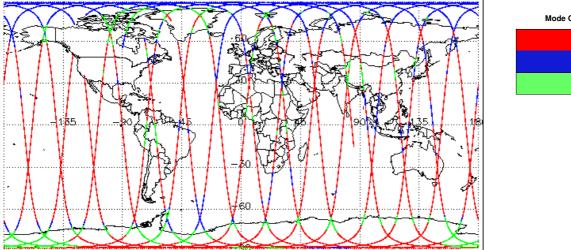
1. Overview

| Mission / Inst | Mission / Instrument News | | |
|----------------|---------------------------|--|--|
| 19-Mar-2022 | None | | |
| 20-Mar-2022 | None | | |
| 21-Mar-2022 | Nothing planned | | |













3. Instrument Configuration

SIRAL instrument(s) in use:

SIRAL - A

0

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

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

| 4.2 L1B Product Header Analysis | | |
|---|---------------------------------------|---|
| | | |
| For all products, a series of pre-defined checks are performed on the MPH ar | | |
| > L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all OSARIn chains. A modification is required in the next release. Number of products with errors: 0 | L1B IOPR and IOPN products be | cause the I1b_processing_quality_hr field is not correctly configured in the OSAR and |
| | | |
| 4.3 L1B Auxilary Data File Usage Check | | |
| Each product is checked for missing Data Set Descriptors with respect to a p | re-determined baseline and also | to check the validity of Auxiliary Data Files is correct. |
| Number of products with errors: 0 | | |
| 4.4 L1B Auxiliary Correction Error Check | | |
| | | |
| CryoSat L1B data includes a correction error flag for each measurement reco | rd. The bit value of this flag indica | ates 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 measure | ment record. The bit value of this | flag indicates any problems when set. |
| > Attitude Correction Missing: This flag is currently set in error for IOPR pro | oducts due to a configuration issu | ie. The attitude correction is actually not missing. This will be resolved in the next SW upd |
| Number of products with errors: 0 | | |
| A 6 L 1P Wovoform Crown Data Chast | | |
| 4.6 L1B Waveform Group Data Check | | |
| CryoSat L1B data includes a waveform data flag for each measurement record | - | tes any problems when set. |
| Loss of Echo Flag: This flag is currently set for products over land, but this i | s to be expected. | |
| Number of products with errors: 14 | | |
| Product | Test Failed | Description |
| CS_OFFL_SIR_IOPM1B_20220320T034206_20220320T034254_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20220320T061021_20220320T061439_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPN1B_20220320T233952_20220320T234501_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20220320T051149_20220320T051347_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20220320T052125_20220320T052405_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20220320T070414_20220320T071157_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20220320T071330_20220320T071524_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20220320T084322_20220320T084845_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20220320T111857_20220320T111925_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20220320T120629_20220320T120820_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20220320T134642_20220320T134931_C001 CS_OFFL_SIR_IOPR1B_20220320T155614_20220320T155852_C001 | Loss of Echo Loss of Echo | The tracking echo is missing for one or more records The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOFR1B_202203201135014_202203201135852_0001 CS_OFFL_SIR_IOPR1B_202203207183040_202203207183255_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_IOPR1B_20220320T220946_20220320T221048_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| | | |
| 5. 10 | OP Level 2 Data Qu | ality 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 XM | L header file (.HDR) and a NetCDF product file (.nc). |
| Number of products with errors: 0 | | |
| 5 0 L 0 Product Has day Anolasia | | |
| 5.2 L2 Product Header Analysis | | |
| For all products, a series of pre-defined checks are performed on the MPH ar | nd SPH in order to identify any inc | consistencies 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 p | re-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 ch | | |
| Currently, there are some common auxiliary correction errors raised in followed by a table highlighting any additional issues which may arise to the source of the source | | expected due to surface type. All common flags are summarised in the list below, |
| | | E: Dry Tropospheric Corection, Wet Tropospheric Correction, Inverse Barometric aly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are |
| > Sea State Bias & Sea State Bias PLRM: The error value is currently set for | or products over sea ice, but this | is to be expected. |
| > Mean Sea Surface: The error value is currently set for products over land a | and sea ice, but this is to be expe | cted. |
| > Mean Dynamic Topography: The error value is currently set for products | over land and sea ice, but this is | to be expected. |
| > Altimetric Wind Speed Error: The error value is currently set for products | over land and sea ice, but this is | to be expected. |
| Number of products with errors: 57 | | |

| roduct | Test Falled | Description |
|--|-----------------------------|---|
| S_OFFL_SIR_IOPM_2_20220320T153531_20220320T153541_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |

| CS_OFFL_SIR_IOPN_2_20220320T003044_20220320T003528_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
|---|---|---|
| CS_OFFL_SIR_IOPN_2_20220320T012218_20220320T012456_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPN_2_20220320T025321_20220320T025710_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and tidal corrections for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T033443_20220320T033508_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T035423_20220320T035550_C001 | Total Geocentric Ocean Tide (GOT) | There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T043303_20220320T043617_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPN_2_20220320T044130_20220320T044247_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T062036_20220320T062151_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPN_2_20220320T065953_20220320T070230_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and tidal corrections for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T070250_20220320T070414_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPN_2_20220320T084218_20220320T084322_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPN_2_20220320T093614_20220320T093845_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPN_2_20220320T111523_20220320T111857_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPN_2_20220320T115653_20220320T120044_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPN_2_20220320T125634_20220320T125816_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T160543_20220320T160705_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T161232_20220320T161546_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T174514_20220320T174628_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPN_2_20220320T175130_20220320T175449_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPN_2_20220320T193036_20220320T193702_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPN_2_20220320T202124_20220320T202244_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T211450_20220320T211625_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T220038_20220320T220144_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPN_2_20220320T224338_20220320T224535_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T233952_20220320T234501_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T002247_20220320T002620_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T002634_20220320T003044_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20220320T020056_20220320T021122_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20220320T033341_20220320T033442_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T034441_20220320T035229_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20220320T052428_20220320T053520_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20220320T070414_20220320T071157_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20220320T084322_20220320T084845_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |

| CS_OFFL_SIR_IOPR_2_20220320T093845_20220320T094107_C001 | Mean Sea Surface (1) | There is an error with the MSS height (solution 1) for one or more records |
|---|--|---|
| CS_OFFL_SIR_IOPR_2_20220320T101204_20220320T101300_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T102222_20220320T102920_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20220320T104259_20220320T104959_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T120045_20220320T120552_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20220320T133758_20220320T134618_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20220320T151656_20220320T152430_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20220320T152800_20220320T153006_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T153344_20220320T153531_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T165202_20220320T170224_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20220320T170224_20220320T170349_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20220320T183430_20220320T184124_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20220320T184124_20220320T185614_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20220320T201419_20220320T202012_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20220320T202012_20220320T202123_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20220320T210252_20220320T210356_C001 | Mean Sea Surface (1) | There is an error with the MSS height (solution 1) for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T213203_20220320T213403_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T215353_20220320T215518_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T215519_20220320T215547_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T215720_20220320T220038_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20220320T220946_20220320T221048_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T233407_20220320T233952_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOPR_2_20220320T234506_20220320T234757_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| | | |

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:
0

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

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

84

| Product | Test Failed | Description |
|---|--|---|
| CS_OFFL_SIR_IOPM_2_20220319T234625_20220320T001139_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T004648_20220320T011235_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 |
| | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |

| CS_OFFL_SIR_IOPM_2_20220320T012517_20220320T015420_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
|---|--|---|
| CS_OFFL_SIR_IOPM_2_20220320T021906_20220320T025142_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T025711_20220320T030258_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T030419_20220320T031042_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T031413_20220320T032125_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T032354_20220320T032817_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T034206_20220320T034254_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T035550_20220320T043048_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T043617_20220320T044130_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T044308_20220320T044617_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T044721_20220320T050237_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T051850_20220320T052005_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T053520_20220320T054427_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T054712_20220320T060931_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T061625_20220320T062036_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T062236_20220320T064448_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T064529_20220320T065003_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T065148_20220320T065759_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T065759_20220320T065847_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T071631_20220320T071955_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T072031_20220320T074825_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T074953_20220320T075518_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T080240_20220320T080306_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T080623_20220320T081851_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T081951_20220320T083326_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T083335_20220320T083645_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| | | |

| CS_OFFL_SIR_IOPM_2_20220320T090030_20220320T090950_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
|---|--|---|
| CS_OFFL_SIR_IOPM_2_20220320T091153_20220320T092736_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T092921_20220320T093416_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T093454_20220320T093614_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T094309_20220320T095407_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T100019_20220320T101203_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T105115_20220320T110636_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T110851_20220320T111331_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T111926_20220320T114652_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T121428_20220320T121435_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T122035_20220320T124110_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T124201_20220320T124614_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T124904_20220320T125245_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T125859_20220320T132750_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T135719_20220320T142542_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T142706_20220320T143200_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T143207_20220320T143536_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T143847_20220320T151341_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T155853_20220320T160015_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T160215_20220320T160522_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T160705_20220320T161232_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T161735_20220320T164212_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T164320_20220320T165202_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T172440_20220320T174424_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T174628_20220320T175130_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T175642_20220320T183040_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |

| CS_OFFL_SIR_IOPM_2_20220320T183420_20220320T183425_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
|---|--|---|
| CS_OFFL_SIR_IOPM_2_20220320T185614_20220320T191908_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T193715_20220320T194931_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T194954_20220320T195329_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T195333_20220320T195457_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T195939_20220320T200752_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T202244_20220320T202526_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T202724_20220320T204345_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T204556_20220320T210027_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T211038_20220320T211450_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T211625_20220320T212902_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T212948_20220320T213203_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T213403_20220320T214326_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T221049_20220320T221110_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T221146_20220320T222125_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T222811_20220320T224313_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T224535_20220320T225352_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T225548_20220320T231242_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPM_2_20220320T231522_20220320T231734_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T093448_20220320T093454_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T093614_20220320T093845_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T002634_20220320T003044_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T034441_20220320T035229_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T051542_20220320T051604_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T114900_20220320T114906_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T151534_20220320T151538_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| | | |

| CS_OFFL_SIR_IOPR_2_20220320T200934_20220320T200948_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
|---|--|---|
| CS_OFFL_SIR_IOPR_2_20220320T200949_20220320T200951_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T215720_20220320T220038_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 |

L2 Quality Flags (20 Hz PLRM)

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

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

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

| Product | Test Failed | Description |
|---|---|---|
| CS_OFFL_SIR_IOPN_2_20220320T001140_20220320T001412_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T002034_20220320T002157_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T003044_20220320T003528_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T004310_20220320T004343_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T011643_20220320T011756_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T025321_20220320T025710_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T030258_20220320T030419_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T032125_20220320T032320_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T035423_20220320T035550_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T043303_20220320T043617_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T050237_20220320T050406_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T061021_20220320T061439_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T064449_20220320T064529_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T065953_20220320T070230_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T070250_20220320T070414_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T075758_20220320T075944_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T085635_20220320T085829_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T093448_20220320T093454_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T094108_20220320T094233_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T095538_20220320T095832_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |

| Cold Affection Norm 2 Accessed data Decode Backesser data The OCCO, Harpe and Backesser data Cold, Affection France, OCC Affection France, OCCO, Harpe and Backesser data The OCCO, Harpe and Backesser data Cold, OFFL, Sin JOPPL 2, RE200001110602, 20220201110611, CON Decode Backesser data The OCCO, Harpe and Backesser data Cold, OFFL, Sin JOPPL 2, RE200001110602, 20220201110612, CON Decode Backesser data The OCCO, Harpe and Backesser data Cold, OFFL, Sin JOPPL 2, RE200001110602, 20220201110612, CON Decode Backesser data The OCCO, Harpe and Backesser data Cold, OFFL, Sin JOPPL 2, RE200001110602, 20220201112612, CON Decode Backesser data The OCCO, Harpe and Backesser data Cold, OFFL, Sin JOPPL 2, RE200001112602, 20220201112612, CON Decode Backesser data The OCCO, Harpe and Backesser data Cold, OFFL, Sin JOPPL 2, RE200001112602, 20220201112612, CON Decode Backesser data The OCCO, Harpe and Backesser data Cold, Affection Frage, Data Decode Backesser data The OCCO, Harpe and Backesser data The OCCO, Harpe and Backesser data Cold, Affection Frage, Data Decode Backesser data The OCCO, Harpe and Backesser data The OCCO, Harpe and Backesser data Cold, Affection Frage, Data Decode Backesser data The OCCO, Harpe and Backesser data The OCCO, Harpe and Backesser data Cold, Affection Frage, Data Decode Affection Frage, Data The OCCO, Harpe and Backesser data | | | |
|--|---|---|---|
| CH CH MI CH 2 AD2020110113 202002111053 202002110550.000 COOD Backasalin Gully Inter movies CS OFFL SIR JON 2 2020020110052 2020021110550_000 COOD Backasalin Gully Inter General Mainter Farge, SIBW, SNH, SNH, SNH, SNH, SNH, SNH, SNH, SNH | CS_OFFL_SIR_IOPN_2_20220320T095832_20220320T100019_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFTL_SIR_IDPL_2 02220307110582_0220307112059_0001 0000 Alimeter Rarge Dusity PLRN_DOW The Society and Basicscentr Cusity PLRN_DOW CS_OFTL_SIR_IDPL_2 0220307112059_0020307112059_0001 0000 Alimeter Rarge Dusity PLRN_DOW The OOD0 Rase and Basicscentr Cusity Flags have been set for on the society of the society PLRN_DOW_2 0000000011114649_200000001114649_200000001114649_200000001114649_200000001114649_200000001114649_200000001114649_200000001114649_200000001114649_2000000001114649_2000000001114649_2000000000000000000000000000000000000 | CS_OFFL_SIR_IOPN_2_20220320T101315_20220320T101439_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| USUUFL_SH_UPK_2.0020300110056_002000112158 00000 Backsaster Gualty more records 03_0FR_SH_UPK_2.0020300112158 00000 Backsaster Gualty More records 03_0FR_SH_UPK_2.00203001151952 00000 Backsaster Gualty More records 03_0FR_SH_UPK_2.00203001151952 00000 Backsaster Gualty More records 03_0FR_SH_UPK_2.00203001151952 00000 Backsaster Gualty More records 03_0FR_SH_UPK_2.00203001151962 00000 Backsaster Gualty More records 03_0000 Backsaster Gualty More records More records 03_0000 Backsaster Gualty More records More records 03_00000 Backsaster Gualty More records More records 03_000000000110000000000000000000000000 | CS_OFFL_SIR_IOPN_2_20220320T110636_20220320T110851_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| Occol Backesate Gaalty more records Cool Altineer Range Calaty more records Cool Altineer Range Calaty The Occol Range and Backesater Calaty Flags have been set for on cool Altineer Range Calaty FLRM. The Occol Range and Backesater Calaty Flags have been set for on reverses Cool Altineer Range Calaty FLRM. The Occol Range and Backesater Calaty Flags have been set for on reverses Cool Altineer Range Calaty Cool Range and Backester Calaty Range Cool Altineer Range Calaty Cool Range and Backester Calaty Range Cool Altineer Range Calaty Cool Range and Backester Calaty Range Cool Range Cool Range and Backester Calaty Range Cool Range Cool Range Range Cool Range Cool Range Range Calaty Range Cool Range Range Calaty Range Cool Range Range Calaty Range Cool Range Range Range Range Calaty Range Cool Range Range Range Range Range Range Range Range Range Rang | CS_OFFL_SIR_IOPN_2_20220320T120552_20220320T120629_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| Control Sim, John 2, 202003011/2009, 202003011/2009, 2001 Control Sim, John 2, 202003011/2004, 202003011/2004, 2001 Control Sim, John 2, 202003011/2004, 2020030011/2004, 2001 Control Sim, John 2, 202003011/2004, 2020030011/2004, 2001 Control Sim, John 2, 2020030011/2004, 2020030011/2004, 2020030011/2004, 2001 Control Sim, John 2, 2020030011/2004, 20020030011/2004, 2001 Control Sim, John 2, 2020030011/2004, 2020030011/2004, 2001 Control Sim, John 2, 2020030011/2004, 20020030011/2004, 2001 Control Sim, John 2, 2020030011/2004, 2001 Control Sim, John 2, 2020030011/2004, 2002003011/2004, 2001 Control Sim, John 2, 2020030011/2004, 2002003011/2004, 2001 Control Sim, John 2, 2020030011/2004, 2002003011/2004, 2001 Control Sim, John 2, 2020030011/2004, 2002030011/2004, 2001 Control Sim, John 2, 2020030011/2004, 2002030011/2004, 2001 Contro Rendo Sim, John 2, 2020030011/2004, 2001 Control Sim, John 2 | CS_OFFL_SIR_IOPN_2_20220320T121538_20220320T121713_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| Oct. DFPL_SR_UPPL_2_A022030114542_0220301151457_0001 COCOG Backscatter Quality more records CS_OFFL_SIR_UPPL_2_0220300115142_02203001151457_0001 Cocos Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_UPPL_2_0220300115142_02203201151457_0001 Cocos Alimeter Range, Coulity Flags have been set for one more records CS_OFFL_SIR_UPPL_2_02203201161643_02203201161646_0001 COCOG Backscatter Quality PLIM, Tomore records CS_OFFL_SIR_UPPL_2_02203201160543_02203201160705_0001 COCOG Backscatter Quality PLIM, Tomore records CS_OFFL_SIR_UPPL_2_02203201160763_0001 COCOG Backscatter Quality PLIM, Tomore records CS_OFFL_SIR_UPPL_2_02203201160763_0001 COCOG Backscatter Quality PLIM, Tom COCOG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_UPPL_2_02203201160764_0001 COCOG Alimeter Range Quality PLIM, Tom COCOG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_UPPL_2_02203201170746_02203201170747_0001 COCOG Alimeter Range Quality PLIM, Tom COCOG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_UPPL_2_02203201170746_02203201170747_0001 COCOG Alimeter Range Quality PLIM, Tom COCOG Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_UPPL_2_02203201170746_02203201170746_0001 COCOG Alimeter Range Quality PLIM, Tom COCOG Range and Backscatter Quality Flags have been set for on more r | CS_OFFL_SIR_IOPN_2_20220320T124636_20220320T124904_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| C6_OFFL_SIR_JOPN_2_8220320115142_202203201151457_C001 And Backscatter Quality FLM, COCO PLN Inter Coco Range and Backscatter Quality FLM, COCO PLN Inter Coco Range and Backscatter Quality FLM, COCO PLN C3_OFFL_SIR_JOPN_2_80220320116464_202203201164766_0001 COCO Allmeter Range Quality PLM, COCO Backscatter Quality FLM, COCO Range and Backscatter Quality FLM, The Range And PLM, COCO Alternet Range Quality PLM, The COCO Range and Backscatter Quality FLM, The PLM C6_OFFL_SIR_JOPN_2_802203201160704_02203201170947_C001 COCO Alternet Range Quality PLM, The COCO Range and Backscatter Quality FLM, The PLM C6_OFFL_SIR_JOPN_2_802203201170947_C001 COCO Alternet Range Quality PLM, The COCO Range and Backscatter Quality FLM, The PLM C6_OFFL_SIR_JOPN_2_802203201170946_202203201170947_C001 COCO Alternet Range Quality PLM, The COCO Range and Backscatter Quality FLM, The PLM C6_OFFL_SIR_JOPN_2_802203201170346_202203201192645_001 COCO Alternet Range Quality PLM, The COCO Range and Backscatter Quality FLM, The PLM C6_OFFL_SIR_JOPN_2_802203201192645_002011 COCO Alternet Range Quality PLM, The COCO Range and Backscatter Quality FLM, The COCO Range and Backscatter Quality FLM, The PLM C6_OFFL_SIR_JOPN_2_802203201192645_00201 COCO Alte | CS_OFFL_SIR_IOPN_2_20220320T142542_20220320T142706_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| OCCIPPE_SIR_UOPR_2_202203201169643_202203201169705_C001 OCCIG Backscatter Quality more records CS_OFFL_SIR_UOPR_2_202203201160543_202203201161542_00203201161545_0001 OCCIG Atimeter Range Quality PLRM, OCCIG Backscatter Quality The OCCIG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_UOPR_2_202203201161542_202203201161546_C001 OCCIG Atimeter Range Quality PLRM, OCCIG Backscatter Quality PLRM, OCCIG Backscatter Quality PLRM, CIG Gackscatter Quality PLRM, OCCIG Atimeter Range and Backscatter Quality PLRM, PLRM The OCCIG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_UOPN_2_202203201170540_202203201170540_C001 OCCIG Atimeter Range Quality PLRM, OCCIG Backscatter Q | CS_OFFL_SIR_IOPN_2_20220320T151342_20220320T151457_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_A0220320118049_20220320118049_DUI OCOG Backscatter Quality more records CS_OFFL_SIR_IOPN_2_202203201181232_202203201181546_C001 OCOG Altimeter Range Quality PLRM, More records The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_202203201170349_202203201170500_C001 OCOG Altimeter Range Quality PLRM, More records The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_202203201170146_202203201170917_C001 OCOG Altimeter Range Quality PLRM, PLRM The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_202203201170146_202203201170140_C001 OCOG Altimeter Range Quality PLRM, COG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_202203201170549_C001 OCOG Altimeter Range, SNA, SWH Altimeter Range, SNA, SWH Altimeter Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_202203201192606_202203201192643_C001 OCOG Altimeter Range, SNA, SWH Altimeter Range and Backscatter Quality Flags Altimeter Range, SNA, SWH Altimeter Range, Quality PLRM, COCG Backscatter Quality PLRM, COC | CS_OFFL_SIR_IOPN_2_20220320T154804_20220320T154846_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| DS_OPEL_SIR_IOPN_2_20220320116124_202203201170549_202203201170549_202203201170549_202203201170549_202203201170549_202203201170549_202203201170549_202203201170549_202203201170549_202203201170549_202203201170549_202203201170549_202203201170549_202203201170549_202203201170549_202203201170549_202203201170549_202203201170549_202203201175449_2001 OCGG Atimeter Range and Backscatter Quality The OCean Atimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPN_2_202203201170746_202203201170917_C001 OCGG Atimeter Range Quality PLBM, OCGG Atimeter Range Quality PLBM, OCGG Backscatter Quality The OCean Atimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPN_2_202203201175130_202203201175449_C001 OCGG Atimeter Range Quality PLBM, OCGG Atimeter Range Quality PLBM, OCGG Atimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPN_2_202203201192806_202203201192843_C001 OCGG Atimeter Range Quality PLBM, OCGG Atimeter Range And Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPN_2_20220320120214_202203201202244_C001 OCGG Atimeter Range Quality PLBM, OCGG Atimeter Range And Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320121017_202203201210552_C001 OCGG Atimeter Range Quality PLBM, OCGG Atimeter Range And Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_202203201210357_20220320121039_C001 OCGG Atimeter Range Quality PLBM, OCGG Atimeter Range And Backscatter Quality Flags have been set for one more records | CS_OFFL_SIR_IOPN_2_20220320T160543_20220320T160705_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T170349_20220320T170500_0001 and Backscatter Quality PLRM_COOM_AIMINET Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_IOPN_2_20220320T170746_20220320T170917_0001 OCOG Altimeter Range and Backscatter Quality Flags, have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T175130_20220320T175449_0001 OCOG Altimeter Range Quality PLRM, COCG Backscatter Quality Flags, have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T175130_20220320T175449_0001 OCOG Altimeter Range Quality PLRM, COCG Backscatter Quality Flags, have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T192606_20220320T192643_0001 OCOG Altimeter Range Quality PLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T202124_2020320T202244_0001 OCOG Altimeter Range Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T202124_20220320T202244_0001 OCOG Altimeter Range Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T210177_20220320T210252_C001 OCOG Altimeter Range Quality PLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T210357_20220320T210739_C001 OCOG Altimeter Range Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T | CS_OFFL_SIR_IOPN_2_20220320T161232_20220320T161546_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T176130_20220320T175449_C001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T175130_20220320T192606_20220320T192643_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPN_2_20220320T192606_20220320T192643_C001 Ocean Altimeter Range and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPN_2_20220320T202124_20220320T202244_C001 OCCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPN_2_20220320T210177_20220320T210252_C001 OCCOG Altimeter Range Quality PLRM, OCCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T210357_20220320T210739_C001 Ocean Altimeter Range Quality PLRM, OCCOG Altimeter Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T210357_20220320T210739_C001 Ocean Altimeter Range Quality PLRM, OCCOG Altimeter Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T210357_20220320T211038_C001 OCCOG Altimeter Range Quality PLRM, OCCOG Range and Backscatter Quality Flags have been set for one more records | CS_OFFL_SIR_IOPN_2_20220320T170349_20220320T170500_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T192606_20220320T192843_C001 OCCG Backscatter Quality more records CS_OFFL_SIR_IOPN_2_20220320T192606_20220320T192843_C001 Occaan Attimeter Range and Backscatter Quality The Occan Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPN_2_20220320T202124_20220320T202244_C001 OCCG Attimeter Range Quality PLRM, OCCG Backscatter Quality The OCCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPN_2_20220320T202124_20220320T210252_C001 OCCG Attimeter Range Quality PLRM, OCCG Backscatter Quality The OCCG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T21017_20220320T210252_C001 OCCG Attimeter Range Quality PLRM, OCCG Attimeter Range, SSH, SWH and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T210357_20220320T210739_C001 Occan Attimeter Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T210948_20220320T211038_C001 OCCG Attimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T214326_20220320T214516_C001 OCCG Attimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T222256_20220320T222811_C001 OCCG Attimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T | CS_OFFL_SIR_IOPN_2_20220320T170746_20220320T170917_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T192606_20220320T192843_C001 and Backscatter Quality PLRM, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPN_2_20220320T202124_20220320T202244_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPN_2_20220320T210117_20220320T210252_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPN_2_20220320T210357_20220320T210252_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or or more records CS_OFFL_SIR_IOPN_2_20220320T210357_20220320T210739_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPN_2_20220320T210357_20220320T210739_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPN_2_20220320T210948_20220320T211038_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T214326_20220320T214516_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T22456_20220320T224565_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one more records <t< td=""><td>CS_OFFL_SIR_IOPN_2_20220320T175130_20220320T175449_C001</td><td></td><td>The OCOG Range and Backscatter Quality Flags have been set for one or more records</td></t<> | CS_OFFL_SIR_IOPN_2_20220320T175130_20220320T175449_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T202124_2020201202244_0001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPN_2_20220320T210117_20220320T210252_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T210357_20220320T210739_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one oCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one oCOG Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one oCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T214326_20220320T214516_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T222256_20220320T2222811_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T222256_20220320T2222811_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one more records | CS_OFFL_SIR_IOPN_2_20220320T192606_20220320T192843_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320121017/_202203201210252_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPN_2_202203201210357_202203201210739_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_IOPN_2_202203201210948_202203201211038_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_202203201214326_202203201214516_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_202203201222256_202203201224536_2022032012222811_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_202203201222256_2022032012222811_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one more records | CS_OFFL_SIR_IOPN_2_20220320T202124_20220320T202244_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T210357_20220320T210739_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM Ind Bocdean Autimeter Mange, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality FLRM CS_OFFL_SIR_IOPN_2_20220320T210948_20220320T211038_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T214326_20220320T214516_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T22256_20220320T222811_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T222256_20220320T222811_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T2224535_001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one more records | CS_OFFL_SIR_IOPN_2_20220320T210117_20220320T210252_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_202203201210946_202203201211036_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPN_2_20220320T214326_20220320T214516_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T222256_20220320T222811_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T22256_20220320T222811_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T224338_20220320T224535_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one more records | CS_OFFL_SIR_IOPN_2_20220320T210357_20220320T210739_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_202203201214326_202203201214516_C001 OCOG Backscatter Quality CS_OFFL_SIR_IOPN_2_20220320T222256_20220320T222811_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality CS_OFFL_SIR_IOPN_2_20220320T2224338_20220320T2224535_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one more records CS_OFFL_SIR_IOPN_2_20220320T224338_20220320T224535_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one | CS_OFFL_SIR_IOPN_2_20220320T210948_20220320T211038_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_202203201222256_2022032012222811_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one | CS_OFFL_SIR_IOPN_2_20220320T214326_20220320T214516_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| | CS_OFFL_SIR_IOPN_2_20220320T222256_20220320T222811_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| | CS_OFFL_SIR_IOPN_2_20220320T224338_20220320T224535_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPN_2_20220320T232038_20220320T232426_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter QUALITY PLRM, OC | CS_OFFL_SIR_IOPN_2_20220320T232038_20220320T232426_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| | CS_OFFL_SIR_IOPN_2_20220320T233952_20220320T234501_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| | CS_OFFL_SIR_IOPR_2_20220320T002247_20220320T002620_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| | CS_OFFL_SIR_IOPR_2_20220320T002634_20220320T003044_C001 | and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |

| CS_OFFL_SIR_IOPR_2_20220320T020056_20220320T021122_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
|---|---|---|
| CS_OFFL_SIR_IOPR_2_20220320T032952_20220320T033239_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T033828_20220320T033903_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T034441_20220320T035229_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T051500_20220320T051509_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T051604_20220320T051849_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T052428_20220320T053520_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T070414_20220320T071157_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T071306_20220320T071309_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T071330_20220320T071524_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T071534_20220320T071603_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T071605_20220320T071621_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T083646_20220320T083649_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T084322_20220320T084845_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T085519_20220320T085531_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T101204_20220320T101300_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T102222_20220320T102920_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T104259_20220320T104959_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T111331_20220320T111335_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T114653_20220320T114817_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T120629_20220320T120820_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T125816_20220320T125859_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T133758_20220320T134618_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T134642_20220320T134931_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T151500_20220320T151532_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T152440_20220320T152645_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 |

| | 1 | |
|---|---|---|
| CS_OFFL_SIR_IOPR_2_20220320T152800_20220320T153006_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T165202_20220320T170224_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T170954_20220320T171145_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T183040_20220320T183255_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T184124_20220320T185614_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T192249_20220320T192606_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T194931_20220320T194954_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T200934_20220320T200948_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T201000_20220320T201057_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T201419_20220320T202012_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T202012_20220320T202123_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T204346_20220320T204555_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T212902_20220320T212948_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T220321_20220320T220509_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T220946_20220320T221048_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T221110_20220320T221146_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T231734_20220320T231938_C001 | OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality | The OCOG Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T233407_20220320T233952_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| CS_OFFL_SIR_IOPR_2_20220320T234506_20220320T234757_C001 | Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records |
| | | |

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

187

55

140

> 1 Hz and 1 Hz 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 (20 Hz)

- 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.

Number of products with errors:

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors:

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

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

6.2 P2P Product Header Analysis

| 6.2 P2P Product Header Analysis | | | | | | | |
|--|--|--|--|--|--|--|--|
| or all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. | | | | | | | |
| Number of products with errors: 0 | | | | | | | |
| 6.3 P2P Auxiliary Data File Usage Check | | | | | | | |
| Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. | | | | | | | |

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

0

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

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

> Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.

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

30

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

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

| Product | Test Failed | Description |
|--|---|---|
| CS_OFFL_SIR_IOP_220220319T233921_20220320T002900_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_220220320T002900_20220320T011836_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_220220320T011836_20220320T020815_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_2_20220320T020815_20220320T025750_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records |
| CS_OFFL_SIR_IOP_220220320T025750_20220320T034730_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_220220320T034730_20220320T043705_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_IOP_220220320T043705_20220320T052644_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_2_20220320T052644_20220320T061620_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_2_20220320T061620_20220320T070559_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records |
| CS_OFFL_SIR_IOP_220220320T070559_20220320T075534_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_220220320T075534_20220320T084514_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_220220320T084514_20220320T093449_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_220220320T093449_20220320T102428_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_IOP_2_20220320T102428_20220320T111404_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_2_20220320T111404_20220320T120343_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_2_20220320T120343_20220320T125318_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_2_20220320T125318_20220320T134258_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_2_20220320T134258_20220320T143233_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_2_20220320T143233_20220320T152212_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_220220320T152212_20220320T161148_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_220220320T161148_20220320T170127_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |

| CS_OFFL_SIR_IOP_2_20220320T170127_20220320T175102_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
|--|--|---|
| CS_OFFL_SIR_IOP_2_20220320T175102_20220320T184042_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_2_20220320T184042_20220320T193017_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_220220320T193017_20220320T201956_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_2_20220320T201956_20220320T210932_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_IOP_2_20220320T210932_20220320T215911_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_2_20220320T215911_20220320T224846_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_2_20220320T224846_20220320T233826_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) |
| CS_OFFL_SIR_IOP_2_20220320T233826_20220321T002801_C002 | Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) | There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |

6.5 P2P Measurement 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:
0

| 6.6 P2P Measurement Qualit | y Flag Check | |
|---|---|--|
| P2P Quality Flags (20 Hz) | | |
| CryoSat P2P data includes Quality Flags for | or 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: | 30 | |
| P2P Quality Flags (20 Hz 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: | 28 | |
| P2P Quality Flags (1 Hz & 1 Hz | 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: | 30 | |
| 6.8 P2P Ocean Retracking Q | uality Check | |
| P2P Retracking Flags (20 Hz) | | |
| Cryosat P2P data includes an ocean retract | king quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set. | |
| > Ocean Retracking Quality Flag (PLRM) |): This flag is currently set for products IOPR and IOPN products over sea ice, but this is to be expected. | |
| Number of products with errors: | 28 | |

P2P Retracking Flags PLRM

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

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

30

12

Number of products with errors:

7. IOP QCC Report Analysis

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

| Product type | No. Products | No. QCC Reports | No. Valid | No. Warnings | No. Errors |
|--------------|--------------|-----------------|-----------|--------------|------------|
| SIR_IOPM1B | 197 | 197 | 1 | 196 | 0 |
| SIR_IOPR1B | 158 | 97 | 1 | 94 | 2 |
| SIR_IOPN1B | 97 | 158 | 1 | 157 | 0 |
| SIR_IOPM_2 | 197 | 197 | 141 | 56 | 0 |
| SIR_IOPR_2 | 158 | 95 | 36 | 59 | 0 |
| SIR_IOPN_2 | 95 | 158 | 77 | 80 | 1 |
| SIR_IOP_P2P | 29 | 29 | 0 | 28 | 1 |

7.1 QCC Errors

Number of QCC reports with errors:

| | | | | | Total number | of occurrences | s of each error | | | | |
|--------------|------------|----|------------|----|--------------|----------------|-----------------|---|---|---|---|
| Product Type | RLOBOPNCDF | RL | RLOBOPNCDF | RL | RRTAISSOP | OBHRNCDF | - | - | - | - | - |
| SIR_IOPN1B | 0 | 0 | 0 | 0 | 1 | 2 | | | | | |
| SIR_IOPR_2 | 1 | 1 | 1 | 1 | (| D | | | | | |
| Product Type | RLOBOPNCDF | RL | RLOBOPNCDF | RL | - | - | - | - | - | - | - |
| SIR IOP 2 | 1 | 1 | 1 | 1 | | | | | | | |

Test Description Key:

| reat beachphon key. | | |
|---------------------|--|---|
| Abbreviation | Test name | Details |
| RLOBOPNCDF | RangeLatitudeOrBlankOP_7NetCDF | Latitude should be between -90E7 and 90E7 |
| RL | RangeLatitude_7 | Latitude should be between -90E7 and 90E7 |
| RLOBOPNCDF | RangeLongitudeOrBlankOP_7NetCDF | Longitude should be between -180E7 and 180E7 |
| RL | RangeLongitude_7 | Longitude should be between -180E7 and 180E7 |
| RRTAISSOPOBHRNCD | RangeRecordTAIStartStopOPOrBlankHRNetC | The time value should be between the the record TAI start/stop times of the MPH with a margin of 0.5 s - NetCDF |

7.2 QCC Warnings

| Numbor | of OCC | roporte | with wor | ninge |
|--------|--------|---------|----------|-------|

| Product Type | BCSHNCDF | IOHHMOOR | MVIOEPFDNCDF | Der of occurrences of ea MVIOEPNCDF | MVIONCDF | RBSZOPOEPFDNCDF | RBSZOPOEPFDPLRMNC |
|--|------------------------------|---------------------------------------|---|--|---------------------------------------|--------------------|-----------------------------|
| SIR IOPM1B | 196 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR IOPM 2 | 0 | 0 | 35 | 33 | 0 | 47 | 0 |
| SIR IOPN1B | 93 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR IOPN 2 | 0 | 0 | 5 | 27 | 5 | 20 | 24 |
| SIR IOPR1B | 154 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPR_2 | 0 | 1 | 23 | 46 | 1 | 28 | 21 |
| | | | | | | , | |
| Product Type | RBSZOPOEPNCDF | RNELPOTONCDF | RPEPOPFDLRMNCDF | RPEPOPFDPLRMSARNCI | RPEPOPFDPLRMSINNCD | RPEPOPFDSARNCDF | RPEPOPFDSINNCDF |
| SIR_IOPM1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPM_2 | 42 | 0 | 29 | 0 | 0 | 0 | 0 |
| SIR_IOPN1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPN_2 | 9 | 0 | 0 | 0 | 18 | 0 | 27 |
| SIR_IOPR1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPR_2 | 15 | 4 | 0 | 41 | 0 | 48 | 0 |
| | | | | | | | |
| Product Type | RPEPOPLRMNCDF | RPEPOPSARNCDF | RPEPOPSINNCDF | RSSBCONCDF | RSSHAOFDNCDF | RSSHAOFDPLRMNCDF | RSSHAONCDF |
| SIR_IOPM1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPM_2 | 19 | 0 | 0 | 8 | 27 | 0 | 6 |
| SIR_IOPN1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPN_2 | 0 | 0 | 23 | 6 | 37 | 52 | 29 |
| SIR_IOPR1B | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIR_IOPR_2 | 0 | 41 | 0 | 3 | 59 | 28 | 11 |
| | | | | | | | |
| Product Type | RSWHOEPFDNCDF | RSWHOEPFDPLRMNCD | | SPHRTASCNSNCDF | SOOHHIFHD | SCSTODHRNCDF | SCSTODNCDF |
| SIR_IOPM1B | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| SIR_IOPM_2 | 34 | 0 | 8 | 2 | 0 | 0 | 0 |
| SIR_IOPN1B | 0 | 0 | 0 | 0 | 0 | 46 | 0 |
| SIR_IOPN_2 | 28 | 28 | 10 | 0 | 1 | 0 | 0 |
| SIR_IOPR1B | 0 | 0 | 0 | 0 | 0 | 157 | 12 |
| | 32 | 39 | 1 | 0 | 2 | 0 | 0 |
| SIR_IOPR_2 | | | | | | | |
| | | MULOFREDNORF | NU/IOEDNODE | NU/IONODE | BB070B0EBEBU0BE | | |
| Product Type | IOHHMOOR | MVIOEPFDNCDF | MVIOEPNCDF | MVIONCDF | RBSZOPOEPFDNCDF | RBSZOPOEPFDPLRMNC | |
| | IOHHMOOR 17 | MVIOEPFDNCDF 27 | MVIOEPNCDF 29 | MVIONCDF 6 | RBSZOPOEPFDNCDF 29 | RBSZOPOEPFDPLRMNC | DRBSZOPOEPNCDF 29 |
| Product Type SIR_IOP_2_ | 17 | 27 | 29 | 6 | 29 | 16 | 29 |
| Product Type SIR_IOP_2_ Product Type | 17 RNELPOTONCDF | 27 RPEPOPFDPLRMSINNC | 29 DIRPEPOPFDSINNCDF | 6 RPEPOPSINNCDF | 29 RSSBCONCDF | 16 RSSHAOFDNCDF | 29 RSSHAOFDPLRMNCDF |
| Product Type SIR_IOP_2_ | 17 | 27 | 29 | 6 | 29 | 16 | 29 |
| Product Type SIR_IOP_2_ Product Type SIR_IOP_2_ | 17 RNELPOTONCDF 3 | 27 RPEPOPFDPLRMSINNC 18 | 29 DIRPEPOPFDSINNCDF 27 | 6 RPEPOPSINNCDF 22 | 29 RSSBCONCDF 13 | 16 RSSHAOFDNCDF | 29 RSSHAOFDPLRMNCDF |
| Product Type SIR_IOP_2_ Product Type SIR_IOP_2_ Product Type | 17 RNELPOTONCDF 3 RSSHAONCDF | 27 RPEPOPFDPLRMSINNC 18 RSWHOEPFDNCDF | 29 IRPEPOPFDSINNCDF 27 RSWHOEPFDPLRMNCDF | 6 RPEPOPSINNCDF 22 RSWHOEPNCDF | 29 RSSBCONCDF 13 SPHLPQWNCDF | 16 RSSHAOFDNCDF | 29 RSSHAOFDPLRMNCDF |
| Product Type SIR_IOP_2_ Product Type SIR_IOP_2_ | 17 RNELPOTONCDF 3 | 27 RPEPOPFDPLRMSINNC 18 | 29 DIRPEPOPFDSINNCDF 27 | 6 RPEPOPSINNCDF 22 RSWHOEPNCDF | 29 RSSBCONCDF 13 | 16 RSSHAOFDNCDF | 29 RSSHAOFDPLRMNCDF |
| Product Type SIR_IOP_2_ Product Type SIR_IOP_2_ Product Type | 17 RNELPOTONCDF 3 RSSHAONCDF | 27 RPEPOPFDPLRMSINNC 18 RSWHOEPFDNCDF | 29 IRPEPOPFDSINNCDF 27 RSWHOEPFDPLRMNCDF | 6 RPEPOPSINNCDF 22 RSWHOEPNCDF | 29 RSSBCONCDF 13 SPHLPQWNCDF | 16 RSSHAOFDNCDF | 29 RSSHAOFDPLRMNCDF |

| Test Description Key: | | |
|-------------------------|---|---|
| Abbreviation | Test name | Details |
| BCSHNCDF | BurstCounterStep20HzNetCDF | The burst counter should be one higher with regard to the previous burst counter |
| IOHHMOOR | IndexOf1Hzin20HzMappingOutOfRange | The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1) |
| MVIOEPFDNCDF | MissingValueIntOceanExcludingPolarFD2NetCDF | The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees |
| MVIOEPNCDF | MissingValueIntOceanExcludingPolarNetCDF | The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees |
| MVIONCDF | MissingValueIntOceanNetCDF | The value should not be a 'missing value' for surface type 0 only |
| RBSZOPOEPFDNCDF | RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF | The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RBSZOPOEPFDPLRM NCDF | RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF | The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RBSZOPOEPNCDF | RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF | The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RNELPOTONCDF | RangeNELPOceanTideOceanNetCDF | The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean |
| RPEPOPFDLRMNCDF | RangePeakinessExcludingPolarOPFD2LRMNetCDF | The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RPEPOPFDPLRMSAR NCDF | RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF | The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RPEPOPFDPLRMSINN CDF | RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF | The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RPEPOPFDSARNCDF | RangePeakinessExcludingPolarOPFD2SARNetCDF | The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RPEPOPFDSINNCDF | RangePeakinessExcludingPolarOPFD2SINNetCDF | The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RPEPOPLRMNCDF | RangePeakinessExcludingPolarOPLRMNetCDF | The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RPEPOPSARNCDF | RangePeakinessExcludingPolarOPSARNetCDF | The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RPEPOPSINNCDF | RangePeakinessExcludingPolarOPSINNetCDF | The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RSSBCONCDF | RangeSeaStateBiasCorrectionOceanNetCDF | The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean |
| RSSHAOFDNCDF | RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF | The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean |
| RSSHAOFDPLRMNCD F | RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF | The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean |
| RSSHAONCDF | RangeSeaSurfaceHeightAnomalyOceanNetCDF | The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean |
| RSWHOEPFDNCDF | RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF | The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RSWHOEPFDPLRMNC DF | RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF | The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| RSWHOEPNCDF | RangeSignificantWaveHeightOceanExcludingPolarNetCDF | The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees |
| SPHRTASCNSNCDF | SPH_Rel_Time_ASC_Node_Start_v2_NetCDF | Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1) |
| SOOHHIFHD | SameOrOneHigher1HzIndexFor20HzData | The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample |
| SCSTODHRNCDF | SequenceCounterStepTODHRNetCDF | The sequence counter should be modulo 4 higher with regard to the previous sequence counter |
| SCSTODNCDF | SequenceCounterStepTODNetCDF | The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter |

7.3 Missing QCC Reports

Number of products with missing QCC reports:

1