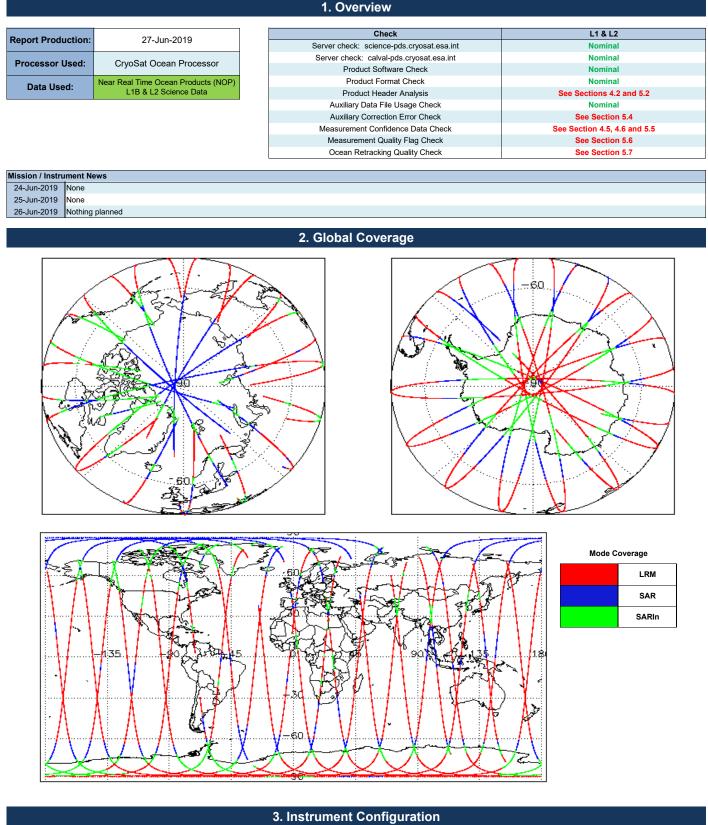


IDEAS+ Daily Report for NOP data:

25/06/2019





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

SIRAL instrument(s) in use:

SIRAL - A

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

C

| and the second | | |
|--|---|--|
| For all products, a series of pre-defined checks are performed on the MPH and | SPH in order to identify any incons | sistencies and/or errors raised by the ground-segment processing chain. |
| OSARIn chains. A modification is required in the next release. | IOPR and IOPN products because | e the I1b_processing_quality_hr field is not correctly configured in the OSAR and |
| Number of products with errors: 0 | | |
| 4.3 L1B Auxilary Data File Usage Check | | |
| Each product is checked for missing Data Set Descriptors with respect to a pre- | -determined baseline and also to c | heck the validity of Auxiliary Data Files is correct. |
| Dynamic Atmospheric Correction: The DAC is missing in all products becaus | se the auxiliary files required are no | ot available in time for processing. This known and expected behaviour. |
| Number of products with errors: 0 | | |
| 4.4 L1B Auxiliary Correction Error Check | | |
| CryoSat L1B data includes a correction error flag for each measurement record | I. The bit value of this flag indicates | s 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 measurem | ent record. The bit value of this fla | a indicates any problems when set |
| > Attitude Correction Missing: This flag is currently set in error for NOPR pro | | |
| Number of products with errors: 1 | | |
| | | |
| Product | Test Failed | Description There is an error in the scaling of the L1B waveform for one or more |
| CS_OFFL_SIR_NOPM1B_20190625T021046_20190625T021521_C001 | Power scaling error | records |
| 4.6 L1B Waveform Group Data Check | | |
| CryoSat L1B data includes a waveform data flag for each measurement record. | . The bit value of this flag indicates | any problems when set. |
| > Loss of Echo Flag: This flag is currently set for products over land, but this i | - | |
| Number of products with errors: 15 | | |
| | | |
| | Test Failed | Description |
| CS_OFFL_SIR_NOPM1B_20190625T082004_20190625T084550_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPM1B_20190625T105509_20190625T110440_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPM1B_20190625T155213_20190625T161905_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190625T004604_20190625T004828_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190625T021941_20190625T021958_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190625T022058_20190625T022129_C001 | Loss of Echo | |
| 00_011 E_011(_101111112_01300231022030_201300231022123_0001 | | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190625T040804_20190625T041256_C001 | 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_NOPN1B_20190625T040804_20190625T041256_C001 CS_OFFL_SIR_NOPN1B_20190625T113053_20190625T113705_C001 | 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_NOPN1B_20190625T040804_20190625T041256_C001 CS_OFFL_SIR_NOPN1B_20190625T113053_20190625T113705_C001 CS_OFFL_SIR_NOPN1B_20190625T121243_20190625T121653_C001 | Loss of Echo Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190625T040804_20190625T041256_C001 CS_OFFL_SIR_NOPN1B_20190625T113053_20190625T113705_C001 CS_OFFL_SIR_NOPN1B_20190625T121243_20190625T121653_C001 | 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_NOPN1B_20190625102203_201906251022122_0001 CS_OFFL_SIR_NOPN1B_20190625T040804_20190625T041256_C001 CS_OFFL_SIR_NOPN1B_20190625T113053_20190625T121653_C001 CS_OFFL_SIR_NOPN1B_20190625T121243_20190625T121653_C001 CS_OFFL_SIR_NOPN1B_20190625T173002_20190625T173210_C001 CS_OFFL_SIR_NOPN1B_20190625T235014_20190625T1235115_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 The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190625T040804_20190625T041256_C001 CS_OFFL_SIR_NOPN1B_20190625T113053_20190625T113705_C001 CS_OFFL_SIR_NOPN1B_20190625T121243_20190625T121653_C001 CS_OFFL_SIR_NOPN1B_20190625T173002_20190625T173210_C001 CS_OFFL_SIR_NOPN1B_20190625T235014_20190625T235115_C001 | Loss of Echo 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 The tracking echo is missing for one or more records The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190625T040804_20190625T041256_C001 CS_OFFL_SIR_NOPN1B_20190625T113053_20190625T113705_C001 CS_OFFL_SIR_NOPN1B_20190625T121243_20190625T121653_C001 CS_OFFL_SIR_NOPN1B_20190625T173002_20190625T173210_C001 CS_OFFL_SIR_NOPN1B_20190625T235014_20190625T235115_C001 CS_OFFL_SIR_NOPN1B_20190625T052559_20190625T052637_C001 | Loss of Echo Loss of Echo 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 The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190625T040804_20190625T041256_C001 CS_OFFL_SIR_NOPN1B_20190625T113053_20190625T113705_C001 CS_OFFL_SIR_NOPN1B_20190625T121243_20190625T121653_C001 CS_OFFL_SIR_NOPN1B_20190625T173002_20190625T173210_C001 CS_OFFL_SIR_NOPN1B_20190625T235014_20190625T235115_C001 CS_OFFL_SIR_NOPR1B_20190625T052559_20190625T052637_C001 CS_OFFL_SIR_NOPR1B_20190625T103809_20190625T104534_C001 | Loss of Echo Loss of Echo Loss of Echo 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 The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190625T040804_20190625T041256_C001 CS_OFFL_SIR_NOPN1B_20190625T113053_20190625T113705_C001 CS_OFFL_SIR_NOPN1B_20190625T121243_20190625T121653_C001 CS_OFFL_SIR_NOPN1B_20190625T173002_20190625T173210_C001 CS_OFFL_SIR_NOPN1B_20190625T235014_20190625T235115_C001 CS_OFFL_SIR_NOPR1B_20190625T052559_20190625T052637_C001 CS_OFFL_SIR_NOPR1B_20190625T103809_20190625T104534_C001 CS_OFFL_SIR_NOPR1B_20190625T123947_20190625T124439_C001 | Loss of Echo Loss of Echo Loss of Echo Loss of Echo 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 The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190625T040804_20190625T041256_C001 CS_OFFL_SIR_NOPN1B_20190625T113053_20190625T113705_C001 CS_OFFL_SIR_NOPN1B_20190625T121243_20190625T121653_C001 CS_OFFL_SIR_NOPN1B_20190625T173002_20190625T173210_C001 CS_OFFL_SIR_NOPN1B_20190625T235014_20190625T235115_C001 CS_OFFL_SIR_NOPR1B_20190625T052559_20190625T052637_C001 CS_OFFL_SIR_NOPR1B_20190625T103809_20190625T052637_C001 CS_OFFL_SIR_NOPR1B_20190625T103809_20190625T104534_C001 CS_OFFL_SIR_NOPR1B_20190625T123947_20190625T124439_C001 CS_OFFL_SIR_NOPR1B_20190625T145230_20190625T145444_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 The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190625T040804_20190625T041256_C001 CS_OFFL_SIR_NOPN1B_20190625T113053_20190625T113705_C001 CS_OFFL_SIR_NOPN1B_20190625T121243_20190625T121653_C001 CS_OFFL_SIR_NOPN1B_20190625T173002_20190625T173210_C001 CS_OFFL_SIR_NOPN1B_20190625T235014_20190625T235115_C001 CS_OFFL_SIR_NOPR1B_20190625T052559_20190625T052637_C001 CS_OFFL_SIR_NOPR1B_20190625T103809_20190625T104534_C001 CS_OFFL_SIR_NOPR1B_20190625T123947_20190625T124439_C001 CS_OFFL_SIR_NOPR1B_20190625T145230_20190625T145444_C001 5. NC | Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo 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 The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190625T040804_20190625T041256_C001 CS_OFFL_SIR_NOPN1B_20190625T113053_20190625T113705_C001 CS_OFFL_SIR_NOPN1B_20190625T121243_20190625T121653_C001 CS_OFFL_SIR_NOPN1B_20190625T173002_20190625T173210_C001 CS_OFFL_SIR_NOPN1B_20190625T235014_20190625T235115_C001 CS_OFFL_SIR_NOPR1B_20190625T052559_20190625T052637_C001 CS_OFFL_SIR_NOPR1B_20190625T103809_20190625T104534_C001 CS_OFFL_SIR_NOPR1B_20190625T123947_20190625T124439_C001 CS_OFFL_SIR_NOPR1B_20190625T145230_20190625T145444_C001 5. NC | 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 The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190625T040804_20190625T041256_C001 CS_OFFL_SIR_NOPN1B_20190625T113053_20190625T113705_C001 CS_OFFL_SIR_NOPN1B_20190625T121243_20190625T121653_C001 CS_OFFL_SIR_NOPN1B_20190625T173002_20190625T173210_C001 CS_OFFL_SIR_NOPN1B_20190625T235014_20190625T052637_C001 CS_OFFL_SIR_NOPR1B_20190625T052559_20190625T052637_C001 CS_OFFL_SIR_NOPR1B_20190625T103809_20190625T104534_C001 CS_OFFL_SIR_NOPR1B_20190625T123947_20190625T145444_C001 CS_OFFL_SIR_NOPR1B_20190625T145230_20190625T145444_C001 CS_OFFL_SIR_NOPR1B_20190625T145230_20190625T145444_C001 5. NC | 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 The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records Ity Check |
| CS_OFFL_SIR_NOPN1B_20190625T040804_20190625T041256_C001 CS_OFFL_SIR_NOPN1B_20190625T113053_20190625T113705_C001 CS_OFFL_SIR_NOPN1B_20190625T121243_20190625T121653_C001 CS_OFFL_SIR_NOPN1B_20190625T173002_20190625T173210_C001 CS_OFFL_SIR_NOPN1B_20190625T235014_20190625T052637_C001 CS_OFFL_SIR_NOPR1B_20190625T052559_20190625T052637_C001 CS_OFFL_SIR_NOPR1B_20190625T103809_20190625T104534_C001 CS_OFFL_SIR_NOPR1B_20190625T145230_20190625T1454439_C001 CS_OFFL_SIR_NOPR1B_20190625T145230_20190625T145444_C001 5. NC 5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to en | Loss of Echo Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190625T040804_20190625T041256_C001 CS_OFFL_SIR_NOPN1B_20190625T113053_20190625T113705_C001 CS_OFFL_SIR_NOPN1B_20190625T121243_20190625T121653_C001 CS_OFFL_SIR_NOPN1B_20190625T173002_20190625T173210_C001 CS_OFFL_SIR_NOPN1B_20190625T235014_20190625T052637_C001 CS_OFFL_SIR_NOPR1B_20190625T052559_20190625T052637_C001 CS_OFFL_SIR_NOPR1B_20190625T103809_20190625T104534_C001 CS_OFFL_SIR_NOPR1B_20190625T123947_20190625T145444_C001 CS_OFFL_SIR_NOPR1B_20190625T145230_20190625T145444_C001 CS_OFFL_SIR_NOPR1B_20190625T145230_20190625T145444_C001 5. NC 5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to en Number of products with errors: 0 | 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 The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records Ity Check |
| CS_OFFL_SIR_NOPN1B_20190625T040804_20190625T041256_C001 CS_OFFL_SIR_NOPN1B_20190625T113053_20190625T121653_C001 CS_OFFL_SIR_NOPN1B_20190625T121243_20190625T121653_C001 CS_OFFL_SIR_NOPN1B_20190625T173002_20190625T173210_C001 CS_OFFL_SIR_NOPN1B_20190625T235014_20190625T235115_C001 CS_OFFL_SIR_NOPR1B_20190625T052559_20190625T052637_C001 CS_OFFL_SIR_NOPR1B_20190625T103809_20190625T104534_C001 CS_OFFL_SIR_NOPR1B_20190625T103809_20190625T124439_C001 CS_OFFL_SIR_NOPR1B_20190625T145230_20190625T145444_C001 CS_OFFL_SIR_NOPR1B_20190625T145445 CS_OFFL_SIR_NOPR1B_20190625T145445 CS_OFFL_SIR_NOPR1B_20190625T145445 CS_OFFL_SIR_NOPR1B_20190625T145445 CS_OFFL_SIR_NOPR1B_20190625T145445 CS_OFFL_SIR_NOPR1B_20190625T145445 CS_OFFL_SIR_NOPR1B_20190625T145445 CS_OFFL_SIR_NOPR1B_20190625T145445 CS_OFFL_SIR_NOPR1B_20190625T145445 CS_OFFL_SIR_NOPR1B_20190625T14545 CS_OFFL_SIR_NOPR1B_20190625 CS_OFFL_SIR_NOPR1B_20190625 CS_OFFL_SIR_NOPR1B_20190625 CS_O | Loss of Echo Loss of Echo DP Level 2 Data Qua | The tracking echo is missing for one or more records The tracking echo is missing for |
| CS_OFFL_SIR_NOPN1B_20190625T040804_20190625T041256_C001 CS_OFFL_SIR_NOPN1B_20190625T113053_20190625T113705_C001 CS_OFFL_SIR_NOPN1B_20190625T121243_20190625T121653_C001 CS_OFFL_SIR_NOPN1B_20190625T173002_20190625T173210_C001 CS_OFFL_SIR_NOPN1B_20190625T235014_20190625T052637_C001 CS_OFFL_SIR_NOPR1B_20190625T052559_20190625T052637_C001 CS_OFFL_SIR_NOPR1B_20190625T103809_20190625T104534_C001 CS_OFFL_SIR_NOPR1B_20190625T123947_20190625T145444_C001 CS_OFFL_SIR_NOPR1B_20190625T145230_20190625T145444_C001 CS_OFFL_SIR_NOPR1B_20190625T145230_20190625T145444_C001 5. NC 5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to en Number of products with errors: 0 | Loss of Echo Loss of Echo DP Level 2 Data Qua | The tracking echo is missing for one or more records The tracking echo is missing for |

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.
Number of products with errors:
0

5.4 L2 Auxiliary Correction Error Check

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

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

> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric 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.

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

40

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

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

Number of products with errors:

| Product | Test Failed | Description |
|---|--|---|
| CS_OFFL_SIR_NOPN_2_20190625T004604_20190625T004828_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T004840_20190625T005027_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T012849_20190625T013040_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T013900_20190625T014115_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T022555_20190625T023025_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T030824_20190625T031003_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T040804_20190625T041256_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_NOPN_2_20190625T044820_20190625T045200_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T062746_20190625T063104_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T063616_20190625T063742_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T071833_20190625T071935_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T081522_20190625T081629_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T085740_20190625T085854_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| | Mean Sea Surface (1), Mean Dynamic | There is an error with the MSS height (solution 1) and the Mean Dynamic |
| CS_OFFL_SIR_NOPN_2_20190625T103723_20190625T103809_C001 | Topography (1) Mean Sea Surface (1), Mean Dynamic | Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynami |
| CS_OFFL_SIR_NOPN_2_20190625T113053_20190625T113705_C001 | Topography (1) | Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T121243_20190625T121653_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T130132_20190625T130353_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T131022_20190625T131336_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T135126_20190625T135515_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T145114_20190625T145230_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T163019_20190625T163136_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T173002_20190625T173210_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T180022_20190625T180143_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T180710_20190625T181018_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T194004_20190625T194206_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T194609_20190625T194939_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T212046_20190625T212321_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T221552_20190625T221618_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T225613_20190625T230208_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T235014_20190625T235115_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPN_2_20190625T235518_20190625T235730_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 height (solution 1) and the Total Geocentric Ocean Tide hei (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_NOPR_2_20190625T001728_20190625T002318_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPR_2_20190625T022129_20190625T022555_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPR_2_20190625T035808_20190625T040804_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPR_2_20190625T053921_20190625T054708_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPR_2_20190625T071935_20190625T072854_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPR_2_20190625T085854_20190625T090611_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPR_2_20190625T103809_20190625T104534_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPR_2_20190625T121653_20190625T122347_C001 | Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records |
| CS OFFL SIR NOPR 2 20190625T172456 20190625T172510 C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or |

| CryoSat L2 data includes a measurement confidence flag for each 20-Hz meas | urement record. The bit value of this flag indic | ates any problems when set. |
|--|---|---|
| Number of products with errors: 1 | | |
| Product | Test Failed | Description |
| CS_OFFL_SIR_NOPM_2_20190625T021046_20190625T021521_C001 | Power scaling error | There is an error in the scaling of the L2 waveform for one or more record |
| 5.6 L2 Measurement Quality Flag Check | | |
| L2 Quality Flags (20Hz) | | |
| CryoSat L2 data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz | measurement record. The bit value of this flag | indicates any problems when set. |
| Currently, there are several common flags raised in the Level 2 products, | which are summarised below. The table pr | ovides the full list of products flagged. |
| > Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags: The | | |
| > OCOG Altimeter Range and Backscatter Quality Flags: These flags are ca | urrently set for some records over continental i | ce. |
| Number of products with errors: 84 | | |
| Product | Test Failed | Description |
| | Ocean Altimeter Range Quality, OCOG | |
| CS_OFFL_SIR_NOPM_2_20190625T000251_20190625T001728_C001 | Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T003343_20190625T003953_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_NOPM_2_20190625T005525_20190625T012725_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T013040_20190625T013254_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_NOPM_2_20190625T013304_20190625T013900_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_NOPM_2_20190625T014240_20190625T020718_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T023933_20190625T024948_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T025523_20190625T030612_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T031250_20190625T031710_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_NOPM_2_20190625T032131_20190625T034225_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T034228_20190625T034701_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T041256_20190625T042901_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T043016_20190625T044448_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T045200_20190625T045740_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_NOPM_2_20190625T050033_20190625T050522_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T053636_20190625T053804_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T055114_20190625T062427_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T063104_20190625T063616_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_NOPM_2_20190625T064008_20190625T065756_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |

| CS_OFFL_SIR_NOPM_2_20190625T070110_20190625T070621_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_NOPM_2_20190625T071552_20190625T071619_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T072854_20190625T080301_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T080845_20190625T081104_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_NOPM_2_20190625T081110_20190625T081522_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_NOPM_2_20190625T082004_20190625T084550_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T090611_20190625T092038_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T092717_20190625T094229_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T094443_20190625T095002_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_NOPM_2_20190625T095021_20190625T095226_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_NOPM_2_20190625T100114_20190625T101336_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T101542_20190625T103307_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T105509_20190625T110440_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T110642_20190625T112122_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T112408_20190625T112903_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_NOPM_2_20190625T112906_20190625T112913_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_NOPM_2_20190625T113738_20190625T113920_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T115503_20190625T115945_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T120048_20190625T120801_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T124439_20190625T130010_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T130353_20190625T130830_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_NOPM_2_20190625T130836_20190625T130844_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_NOPM_2_20190625T131531_20190625T134921_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T141429_20190625T143941_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T144225_20190625T144730_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_NOPM_2_20190625T144749_20190625T145114_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_NOPM_2_20190625T145444_20190625T150543_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
|---|---|---|
| CS_OFFL_SIR_NOPM_2_20190625T151117_20190625T152111_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T152120_20190625T152610_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T154948_20190625T155210_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_NOPM_2_20190625T155213_20190625T161905_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T162206_20190625T162644_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_NOPM_2_20190625T163441_20190625T170800_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T174107_20190625T174551_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_NOPM_2_20190625T175207_20190625T175456_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T175655_20190625T175802_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T180148_20190625T180710_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_NOPM_2_20190625T181359_20190625T183516_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T183802_20190625T184838_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T185908_20190625T190325_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T191922_20190625T192410_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T192558_20190625T193627_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T194206_20190625T194609_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_NOPM_2_20190625T195317_20190625T195815_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T195824_20190625T202938_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T204326_20190625T211347_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T213246_20190625T214811_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T214813_20190625T214935_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T215415_20190625T220119_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T222300_20190625T223818_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| | | |

| CS_OFFL_SIR_NOPM_2_20190625T224437_20190625T225548_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
|---|---|---|
| CS_OFFL_SIR_NOPM_2_20190625T230208_20190625T230428_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_NOPM_2_20190625T231201_20190625T232604_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190625T232743_20190625T234301_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190625T002643_20190625T003006_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_NOPN_2_20190625T095226_20190625T095251_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_NOPN_2_20190625T122347_20190625T122404_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_NOPN_2_20190625T130132_20190625T130353_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_NOPN_2_20190625T180710_20190625T181018_C001 | Attimeter Range Quality, Occos Attimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backgester Quality, OCOG Backgester | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190625T190855_20190625T190905_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_NOPR_2_20190625T024948_20190625T025523_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T035808_20190625T040804_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T045855_20190625T050033_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T063742_20190625T064008_C001 | Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T123817_20190625T123915_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |

L2 Quality Flags (20Hz PLRM)

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

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

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

71

Number of products with errors:

| Product | Test Failed | Description |
|---|--|---|
| CS_OFFL_SIR_NOPN_2_20190625T004604_20190625T004828_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190625T020718_20190625T021046_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_NOPN_2_20190625T021941_20190625T021958_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_NOPN_2_20190625T022555_20190625T023025_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_NOPN_2_20190625T023107_20190625T023229_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_NOPN_2_20190625T023604_20190625T023827_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_NOPN_2_20190625T030824_20190625T031003_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190625T031710_20190625T032001_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190625T040804_20190625T041256_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_NOPN_2_20190625T051436_20190625T051809_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_NOPN_2_20190625T054708_20190625T054839_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
|---|--|---|
| CS_OFFL_SIR_NOPN_2_20190625T063616_20190625T063742_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_NOPN_2_20190625T081522_20190625T081629_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_NOPN_2_20190625T085740_20190625T085854_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_NOPN_2_20190625T094306_20190625T094443_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190625T103307_20190625T103720_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190625T103723_20190625T103809_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_NOPN_2_20190625T105111_20190625T105509_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_NOPN_2_20190625T112223_20190625T112408_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_NOPN_2_20190625T113053_20190625T113705_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190625T120801_20190625T120923_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_NOPN_2_20190625T121243_20190625T121653_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_NOPN_2_20190625T123409_20190625T123640_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_NOPN_2_20190625T131022_20190625T131336_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_NOPN_2_20190625T135126_20190625T135515_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_NOPN_2_20190625T141059_20190625T141429_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_NOPN_2_20190625T144108_20190625T144225_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190625T145114_20190625T145230_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_NOPN_2_20190625T152610_20190625T153207_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_NOPN_2_20190625T163019_20190625T163136_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_NOPN_2_20190625T171005_20190625T171140_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_NOPN_2_20190625T180710_20190625T181018_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190625T191557_20190625T191600_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_NOPN_2_20190625T194004_20190625T194206_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190625T194609_20190625T194939_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190625T212046_20190625T212321_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_NOPN_2_20190625T224331_20190625T224437_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_NOPN_2_20190625T230924_20190625T231102_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190625T235854_20190626T000120_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |

| CS_OFFL_SIR_NOPR_2_20190625T001728_20190625T002318_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_NOPR_2_20190625T002318_20190625T002543_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_NOPR_2_20190625T012725_20190625T012849_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T022129_20190625T022555_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T030612_20190625T030824_C001 | Ocean Attimeter Range Quality PLRM, OCOG Attimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T035005_20190625T035046_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_NOPR_2_20190625T035808_20190625T040804_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T044448_20190625T044820_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T053804_20190625T053831_C001 | Ocean Attimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T053921_20190625T054708_C001 | Ocean Attimeter Range Quality PLRM, OCOG Attimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T054839_20190625T054917_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_NOPR_2_20190625T062427_20190625T062746_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T081629_20190625T082004_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T095412_20190625T095848_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T101336_20190625T101542_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_NOPR_2_20190625T103809_20190625T104534_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T120923_20190625T121243_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T123817_20190625T123915_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_NOPR_2_20190625T130010_20190625T130132_C001 | Ocean Attimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T131336_20190625T131531_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T145230_20190625T145444_C001 | Ocean Attimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T154148_20190625T154241_C001 | Ocean Attimeter Range Quality PLRM, OCOG Attimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T154251_20190625T154405_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_NOPR_2_20190625T170929_20190625T171005_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_NOPR_2_20190625T181018_20190625T181359_C001 | Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |

| CS_OFFL_SIR_NOPR_2_20190625T190625T190625T19064_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_NOPR_2_20190625T193627_20190625T194004_C001 Ocean Altimeter Range Quality PLRM, Ocean SHA Quality PLRM, Ocean SHA Quality PLRM, Ocean SHA Quality PLRM, Ocean Altimeter Range Quality PLRM, Ocean Backscatter Quality PLRM, Ocean Altimeter Range Quality PLRM, Ocean Altimeter Range Quality PLRM, Ocean Backscatter Quality OCOG Backscatter Quality PLRM, Ocean Backscacatter Quality PLRM, Ocean Backscatter Qua | | | |
|--|---|---|---|
| CS_OFFL_SIR_NOPR_2_20190625T193627_20190625T194004_C001 OCCG Altimeter Range Ouality PLRM, Cean SWH Quality PLRM, Coean Altimeter Range and Backscatter Flags have been so nor or more records. CS_OFFL_SIR_NOPR_2_20190625T194393_20190625T195317_C001 Occan Altimeter Range Quality PLRM, Occan SWH Quality, Ocean Backscatter Cuality Ocean Altimeter Range Quality PLRM, Occan SWH Quality, Ocean Backscatter Cuality Ocean Altimeter Range Quality PLRM, Occan SWH Quality, Ocean Backscatter Guality, Occan Backscatter Cuality Ocean Altimeter Range Quality PLRM, Occan SWH Quality, Ocean Backscatter Guality, Occan Backscatter Cuality, Occan Altimeter Range Quality PLRM, Occan SWH Quality, Ocean Backscatter Guality, Occan Backscatter Guality, | CS_OFFL_SIR_NOPR_2_20190625T190416_20190625T190645_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T194939_20190625T195317_C001 OCCG Altimeter Range Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCGG Altimeter Range Quality PLRM, Ocean Altimeter Range Quality PLRM, Ocean Altimeter Range Quality, OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags, Cost Altimeter Range, SSHA, SWH and Backscatter Quality, OCGG Altimeter Range Quality, OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags, Cost Altimeter Range, SSHA, Quality, | CS_OFFL_SIR_NOPR_2_20190625T193627_20190625T194004_C001 | OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T203737_20190625T204138_C001 OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SSHA Quality PLRM, Ocean SSHA Quality PLRM, Ocean Altimeter Range and Backscatter Quality Cocen Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SSHA Quality PLRM, Ocean Altimeter Range Quality PLRM, Ocean Alti | CS_OFFL_SIR_NOPR_2_20190625T194939_20190625T195317_C001 | OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T211347_20190625T212046_C001 OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SSHA Quality VLRM, Ocean SSHA Quality, OCOG Backscatter Quality The OCean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Flags have been so one or more records. CS_OFFL_SIR_NOPR_2_20190625T223818_20190625T224032_C001 OCOG Altimeter Range Quality PLRM, OCGG Backscatter Quality The OCean Altimeter Range, SSHA, SWH and Backscatter Flags have been set for more records. CS_OFFL_SIR_NOPR_2_20190625T223818_20190625T2235854_C001 OCCG Altimeter Range Quality PLRM, OCean SSHA Quality PLRM, OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SSHA Quality PLRM, OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for more records. L2 Quality Flags (1 Hz & 1Hz PLRM) Currently, there are several common flags raised in the Level 2 products, which are summarised below. > 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected. Number of products with errors: 167 | CS_OFFL_SIR_NOPR_2_20190625T203737_20190625T204138_C001 | OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_201906251223818_201906251224032_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_NOPR_2_201906257235730_201906257235854_C001 OCOG Backscatter Quality PLRM, OCGA Attimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SSHA Quality PLRM, Ocean SSHA Quality PLRM, Ocean SSHA Quality Flags (1 Hz & 1Hz PLRM) The Ocean Attimeter Range and Backscatter Flags have been s one or more records. L2 Quality Flags (1 Hz & 1Hz PLRM) Currently, there are several common flags raised in the Level 2 products, which are summarised below. > 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected. Number of products with errors: | CS_OFFL_SIR_NOPR_2_20190625T211347_20190625T212046_C001 | OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPR_2_20190625T235730_20190625T235854_C001 OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SSHA Quality PLRM, Ocean SSHA Quality, OCOG Backscatter Quality, OCOG Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, one or more records. L2 Quality Flags (1 Hz & 1Hz PLRM) Currently, there are several common flags raised in the Level 2 products, which are summarised below. Image: Common flags raised in the Level 2 products over sea ice, which is to be expected. Number of products with errors: 167 | CS_OFFL_SIR_NOPR_2_20190625T223818_20190625T224032_C001 | | The OCOG Range and Backscatter Quality Flags have been set for one o more records. |
| Currently, there are several common flags raised in the Level 2 products, which are summarised below. > 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected. Number of products with errors: 167 | CS_OFFL_SIR_NOPR_2_20190625T235730_20190625T235854_C001 | OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. |
| > 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected. Number of products with errors: 167 | L2 Quality Flags (1 Hz & 1Hz PLRM) | | |
| Number of products with errors: 167 | Currently, there are several common flags raised in the Level 2 products, | which are summarised below. | |
| | > 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for p | products over sea ice, which is to be expected | 1. |
| 5.7 L2 Ocean Retracking Quality Check | Number of products with errors: 167 | | |
| V. LE VIGUN NEURVING QUANTY VIEUR | 5 7 L 2 Ocean Retracking Quality Check | | |
| | S. 1 L2 Ocean Neuracking Quality Check | | |

L2 Retracking Flags (20Hz)

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

Ocean Retracking Quality Flag: This flag is currently set for products falling at ocean/ land boundaries, but this is expected.

54

131

Number of products with errors:

L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors: