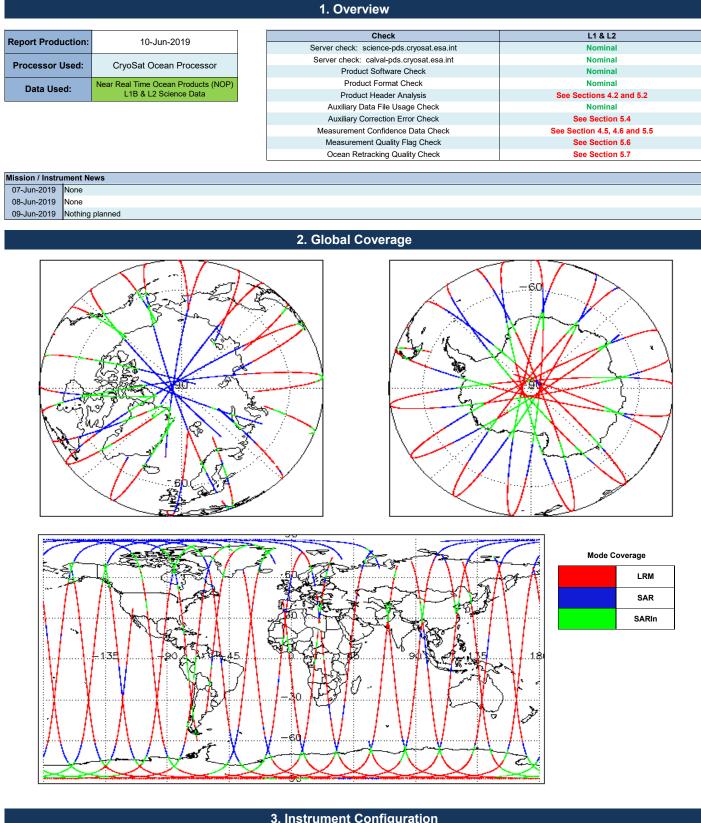


IDEAS+ Daily Report for NOP data:

08/06/2019





3. Instrument Configuration

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

SIRAL - A

0

SIRAL instrument(s) in use:

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:

4.2 L1B Product Header Analysis

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

Dynamic Atmospheric Correction: The DAC is missing in all products because the auxiliary files required are not available in time for processing. This known and expected behaviour.

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:
0

0

4.5 L1B Measurement Confidence Data Check

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

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

 Number of products with errors:
 1

| Product | Test Failed | Description |
|---|---------------------|---|
| CS_OFFL_SIR_NOPM1B_20190608T061841_20190608T062742_C001 | Power scaling error | There is an error in the scaling of the L1B waveform for one or more records |
| | | |

4.6 L1B Waveform Group Data Check

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

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

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Number of products with errors:

| Product | Test Failed | Description |
|---|--------------|--|
| CS_OFFL_SIR_NOPM1B_20190608T035017_20190608T040011_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPM1B_20190608T070125_20190608T071226_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPM1B_20190608T083906_20190608T091318_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPM1B_20190608T130558_20190608T130953_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190608T011031_20190608T011218_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190608T015626_20190608T020216_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190608T033118_20190608T033143_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190608T051839_20190608T052235_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190608T082810_20190608T083012_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190608T163739_20190608T164220_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190608T174041_20190608T174153_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPN1B_20190608T214734_20190608T215111_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPR1B_20190608T050846_20190608T051839_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPR1B_20190608T114250_20190608T114613_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPR1B_20190608T115015_20190608T115533_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPR1B_20190608T132706_20190608T133324_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPR1B_20190608T150528_20190608T150922_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPR1B_20190608T184210_20190608T184315_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPR1B_20190608T192034_20190608T192414_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_NOPR1B_20190608T222405_20190608T223107_C001 | Loss of Echo | The tracking echo is missing for one or more records |

5. NOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

5.3 L2 Auxiliary Data File Usage Check

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

5.4 L2 Auxiliary Correction Error Check

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

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

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

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

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

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

| Product | Test Failed | Description There is an error with the ECMWF Meteo Corrections for one or more |
|---|---|---|
| CS_OFFL_SIR_NOPM_2_20190608T001819_20190608T001916_C001 | ECMWF Meteo Corrections | records |
| CS_OFFL_SIR_NOPM_2_20190608T002650_20190608T003930_C001 | Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) | There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T010222_20190608T011030_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T024105_20190608T024310_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T024345_20190608T024910_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T042026_20190608T042125_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T042313_20190608T042915_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T060222_20190608T060751_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T074123_20190608T074638_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T091657_20190608T092123_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T092130_20190608T092137_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T092143_20190608T092536_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T103703_20190608T105257_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T105504_20190608T110022_C001 | Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T110028_20190608T110035_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T110041_20190608T110236_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T123430_20190608T123933_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T123940_20190608T123950_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T123957_20190608T124007_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T124010_20190608T124111_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T141452_20190608T141849_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T141856_20190608T141904_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T141911_20190608T142128_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T155239_20190608T155803_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T155809_20190608T160135_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T173239_20190608T174041_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T191213_20190608T191729_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T205346_20190608T205629_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T223342_20190608T223536_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T223749_20190608T224035_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPM_2_20190608T232733_20190608T233123_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPN_2_20190608T001711_20190608T001818_C001 | ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1 for one or more records |
| CS_OFFL_SIR_NOPN_2_20190608T001916_20190608T002021_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPN_2_20190608T010012_20190608T010221_C001 | ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1 for one or more records |
| CS_OFFL_SIR_NOPN_2_20190608T011031_20190608T011218_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPN_2_20190608T015626_20190608T020216_C001 | ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) | There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1), the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_NOPN_2_20190608T023918_20190608T024105_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPN_2_20190608T024311_20190608T024344_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPN_2_20190608T024910_20190608T025140_C001 | ECMWF Meteo Corrections, Mean Dynamic Topography (1) | There is an error with the ECMWF Meteo Corrections and the Mean Sea Surface Height (solution 1) for one or more records |
| CS_OFFL_SIR_NOPN_2_20190608T041905_20190608T042025_C001 | ECMWF Meteo Corrections, Mean Dynamic Topography (1) | There is an error with the ECMWF Meteo Corrections and the Mean Sea Surface Height (solution 1) for one or more records |

| CS_OFFL_SIR_NOPN_2_20190608T042136_20190608T042315_20190608T043038_C001 CS_OFFL_SIR_NOPN_2_20190608T051839_20190608T052235_C001 CS_OFFL_SIR_NOPN_2_20190608T051839_20190608T062222_C001 CS_OFFL_SIR_NOPN_2_20190608T07510_20190608T074122_C001 CS_OFFL_SIR_NOPN_2_20190608T074638_20190608T074122_C001 CS_OFFL_SIR_NOPN_2_20190608T074638_20190608T074802_C001 CS_OFFL_SIR_NOPN_2_20190608T091508_20190608T074802_C001 CS_OFFL_SIR_NOPN_2_20190608T091508_20190608T092646_C001 CS_OFFL_SIR_NOPN_2_20190608T100802_20190608T100827_C001 CS_OFFL_SIR_NOPN_2_20190608T100802_20190608T100827_C001 CS_OFFL_SIR_NOPN_2_20190608T110054_20190608T1100556_C001 CS_OFFL_SIR_NOPN_2_20190608T110236_20190608T114434_C001 CS_OFFL_SIR_NOPN_2_20190608T123451_20190608T123400_0001 CS_OFFL_SIR_NOPN_2_20190608T123451_20190608T123400_0001 CS_OFFL_SIR_NOPN_2_20190608T123451_20190608T123400_0001 CS_OFFL_SIR_NOPN_2_20190608T123451_20190608T13206_C001 CS_OFFL_SIR_NOPN_2_20190608T141461_20190608T14260_001 CS_OFFL_SIR_NOPN_2_20190608T141490_20190608T14260_001 CS_OFFL_SIR_NOPN_2_20190608T141490_20190608T14260_001 CS_OFFL_SIR_NOPN_2_20190608T141420_0190608T14205_001 CS_OFFL_SIR_NOPN_2_20190608T141419_0190608T14265_001 CS_OFFL_SIR_NOPN_2_20190608T1414190_0190608T14265_001 <t< th=""><th></th></t<> | |
|---|---|
| CS_OFFL_SIR_NOPN_2_20190608T051839_20190608T052235_C001 CS_OFFL_SIR_NOPN_2_20190608T055864_20190608T060222_C001 CS_OFFL_SIR_NOPN_2_20190608T073002_20190608T074802_C001 CS_OFFL_SIR_NOPN_2_20190608T074638_20190608T074802_C001 CS_OFFL_SIR_NOPN_2_20190608T074638_20190608T091666_C001 CS_OFFL_SIR_NOPN_2_20190608T091508_20190608T091666_C001 CS_OFFL_SIR_NOPN_2_20190608T1092537_20190608T109827_C001 CS_OFFL_SIR_NOPN_2_20190608T1005327_20190608T100504_C001 CS_OFFL_SIR_NOPN_2_20190608T110256_20190608T110056_C001 CS_OFFL_SIR_NOPN_2_20190608T110256_20190608T110056_C001 CS_OFFL_SIR_NOPN_2_20190608T112345_20190608T114482_C001 CS_OFFL_SIR_NOPN_2_20190608T12345_20190608T123430_C001 CS_OFFL_SIR_NOPN_2_20190608T12400_20190608T123457_C001 CS_OFFL_SIR_NOPN_2_20190608T12400_20190608T123400_C001 CS_OFFL_SIR_NOPN_2_20190608T12400_20190608T123067_C001 CS_OFFL_SIR_NOPN_2_20190608T132153_20190608T123067_C001 CS_OFFL_SIR_NOPN_2_20190608T141449_20190608T144009_C001 CS_OFFL_SIR_NOPN_2_20190608T132153_20190608T141455_C001 CS_OFFL_SIR_NOPN_2_20190608T141148_20190608T141455_C001 CS_OFFL_SIR_NOPN_2_20190608T151151_20190608T14145528_00101 CS_OFFL_SIR_NOPN_2_20190608T151151_20190608T141405_C001 CS_OFFL_SIR_NOPN_2_20190608T151512_20190608T160528_C001 <t< td=""><td>CS_OFFL_SIR_NOPN_2_20190608T042126_20190608T042313_C001</td></t<> | CS_OFFL_SIR_NOPN_2_20190608T042126_20190608T042313_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T055854_20190608T060222_C001 CS_OFFL_SIR_NOPN_2_20190608T073802_20190608T074122_C001 CS_OFFL_SIR_NOPN_2_20190608T074682_20190608T074402_C001 CS_OFFL_SIR_NOPN_2_20190608T092810_20190608T0980012_C001 CS_OFFL_SIR_NOPN_2_20190608T092837_20190608T092646_C001 CS_OFFL_SIR_NOPN_2_20190608T103257_20190608T10927_C001 CS_OFFL_SIR_NOPN_2_20190608T103257_20190608T100827_C001 CS_OFFL_SIR_NOPN_2_20190608T110236_20190608T110055_C001 CS_OFFL_SIR_NOPN_2_20190608T110236_20190608T110434_C001 CS_OFFL_SIR_NOPN_2_20190608T112326_20190608T124400_C001 CS_OFFL_SIR_NOPN_2_20190608T123051_20190608T124009_C001 CS_OFFL_SIR_NOPN_2_20190608T124007_20190608T124009_C001 CS_OFFL_SIR_NOPN_2_20190608T124007_20190608T124009_C001 CS_OFFL_SIR_NOPN_2_20190608T124007_20190608T124009_C001 CS_OFFL_SIR_NOPN_2_20190608T14148_0_20190608T142001 CS_OFFL_SIR_NOPN_2_20190608T142149_20190608T142001 CS_OFFL_SIR_NOPN_2_20190608T14148_0_20190608T141451_C001 CS_OFFL_SIR_NOPN_2_20190608T14149_0190608T14405_C001 CS_OFFL_SIR_NOPN_2_20190608T141412_0190608T1405528_C001 CS_OFFL_SIR_NOPN_2_20190608T141515_0190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_0190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T161515_01900608T1602528_C001 CS_OFFL_SIR | CS_OFFL_SIR_NOPN_2_20190608T042915_20190608T043038_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T060751_20190608T060837_C001 CS_OFFL_SIR_NOPN_2_20190608T074882_20190608T074802_C001 CS_OFFL_SIR_NOPN_2_20190608T082810_20190608T080312_C001 CS_OFFL_SIR_NOPN_2_20190608T091508_20190608T091656_C001 CS_OFFL_SIR_NOPN_2_20190608T092537_20190608T092646_C001 CS_OFFL_SIR_NOPN_2_20190608T100809_20190608T100827_C001 CS_OFFL_SIR_NOPN_2_20190608T105327_20190608T100827_C001 CS_OFFL_SIR_NOPN_2_20190608T110246_20190608T110056_C001 CS_OFFL_SIR_NOPN_2_20190608T110256_20190608T110434_C001 CS_OFFL_SIR_NOPN_2_20190608T123242_0190608T123452_C001 CS_OFFL_SIR_NOPN_2_20190608T12326_20190608T123430_C001 CS_OFFL_SIR_NOPN_2_20190608T123262_0190608T123057_C001 CS_OFFL_SIR_NOPN_2_20190608T123951_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T124007_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T145017_C001 CS_OFFL_SIR_NOPN_2_20190608T14148_20190608T141602 C01 CS_OFFL_SIR_NOPN_2_20190608T141489_20190608T144605_C001 CS_OFFL_SIR_NOPN_2_20190608T141482_001 CS_OFFL_SIR_NOPN_2_20190608T142105_20190608T144205_C001 CS_OFFL_SIR_NOPN_2_20190608T145119_20190608T142405_C001 CS_OFFL_SIR_NOPN_2_20190608T14519_20190608T16258_C001 CS_OFFL_SIR_NOPN_2_20190608T155109_20190608T162528_C001 | CS_OFFL_SIR_NOPN_2_20190608T051839_20190608T052235_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T073802_20190608T074122_C001 CS_OFFL_SIR_NOPN_2_20190608T074638_20190608T082012_C001 CS_OFFL_SIR_NOPN_2_20190608T082810_20190608T091656_C001 CS_OFFL_SIR_NOPN_2_20190608T092537_20190608T092646_C001 CS_OFFL_SIR_NOPN_2_20190608T100809_20190608T100827_C001 CS_OFFL_SIR_NOPN_2_20190608T10054_20190608T100827_C001 CS_OFFL_SIR_NOPN_2_20190608T110054_20190608T110056_C001 CS_OFFL_SIR_NOPN_2_20190608T110264_20190608T110434_C001 CS_OFFL_SIR_NOPN_2_20190608T12326_20190608T124009_C001 CS_OFFL_SIR_NOPN_2_20190608T123851_20190608T124009_C001 CS_OFFL_SIR_NOPN_2_20190608T124007_20190608T124009_C001 CS_OFFL_SIR_NOPN_2_20190608T124007_20190608T124009_C001 CS_OFFL_SIR_NOPN_2_20190608T14148_0190608T141451_C001 CS_OFFL_SIR_NOPN_2_20190608T14148_0190608T141450 CS_OFFL_SIR_NOPN_2_20190608T14148_0190608T141452 CS_OFFL_SIR_NOPN_2_20190608T14149_01 CS_OFFL_SIR_NOPN_2_20190608T14149_01 CS_OFFL_SIR_NOPN_2_20190608T142129_0190608T142405_C001 CS_OFFL_SIR_NOPN_2_20190608T15511_20190608T16528_C001 CS_OFFL_SIR_NOPN_2_20190608T15533_0190608T16528_C001 CS_OFFL_SIR_NOPN_2_20190608T165739_0190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T165739_0190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T165739_0190608T164220_C001 | CS_OFFL_SIR_NOPN_2_20190608T055854_20190608T060222_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T074638_20190608T074802_C001 CS_OFFL_SIR_NOPN_2_20190608T082810_20190608T083012_C001 CS_OFFL_SIR_NOPN_2_20190608T092537_20190608T092646_C001 CS_OFFL_SIR_NOPN_2_20190608T106809_20190608T106827_C001 CS_OFFL_SIR_NOPN_2_20190608T106327_20190608T106564_C001 CS_OFFL_SIR_NOPN_2_20190608T110254_20190608T110434_C001 CS_OFFL_SIR_NOPN_2_20190608T110256_20190608T110434_C001 CS_OFFL_SIR_NOPN_2_20190608T1123242_20190608T123430_C001 CS_OFFL_SIR_NOPN_2_20190608T123242_20190608T123430_C001 CS_OFFL_SIR_NOPN_2_20190608T123261_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T124007_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T1425017_C001 CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T1425017_C001 CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T1425017_C001 CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T1425017_C001 CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T1425017_C001 CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T1425017_C001 CS_OFFL_SIR_NOPN_2_20190608T142490_20190608T14250_C001 CS_OFFL_SIR_NOPN_2_20190608T141849_20190608T142605_C001 CS_OFFL_SIR_NOPN_2_20190608T141805_20190608T162523_001 CS_OFFL_SIR_NOPN_2_20190608T155503_20190608T162502 <td< td=""><td>CS_OFFL_SIR_NOPN_2_20190608T060751_20190608T060837_C001</td></td<> | CS_OFFL_SIR_NOPN_2_20190608T060751_20190608T060837_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T082810_20190608T083012_C001 CS_OFFL_SIR_NOPN_2_20190608T092537_20190608T092646_C001 CS_OFFL_SIR_NOPN_2_20190608T108327_20190608T100827_C001 CS_OFFL_SIR_NOPN_2_20190608T1005327_20190608T1005504_C001 CS_OFFL_SIR_NOPN_2_20190608T110054_20190608T110056_C001 CS_OFFL_SIR_NOPN_2_20190608T110236_20190608T110056_C001 CS_OFFL_SIR_NOPN_2_20190608T110236_20190608T114829_C001 CS_OFFL_SIR_NOPN_2_20190608T123242_20190608T123430_C001 CS_OFFL_SIR_NOPN_2_20190608T123951_20190608T123957_C001 CS_OFFL_SIR_NOPN_2_20190608T123951_20190608T123957_C001 CS_OFFL_SIR_NOPN_2_20190608T132153_20190608T132706_C001 CS_OFFL_SIR_NOPN_2_20190608T132153_20190608T1415017_C001 CS_OFFL_SIR_NOPN_2_20190608T14148_20190608T14185_C001 CS_OFFL_SIR_NOPN_2_20190608T141849_20190608T141855_C001 CS_OFFL_SIR_NOPN_2_20190608T14129_20190608T1412405_C001 CS_OFFL_SIR_NOPN_2_20190608T160151_20190608T142405_C001 CS_OFFL_SIR_NOPN_2_20190608T1615503_20190608T160258_C001 CS_OFFL_SIR_NOPN_2_20190608T16135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T16135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T16135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T191315_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T191013_C0190608T191023_C001 | CS_OFFL_SIR_NOPN_2_20190608T073802_20190608T074122_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T091608_20190608T091656_C001 CS_OFFL_SIR_NOPN_2_20190608T100809_20190608T100827_C001 CS_OFFL_SIR_NOPN_2_20190608T1005327_20190608T100564_C001 CS_OFFL_SIR_NOPN_2_20190608T10054_20190608T110056_C001 CS_OFFL_SIR_NOPN_2_20190608T110236_20190608T110056_C001 CS_OFFL_SIR_NOPN_2_20190608T110236_20190608T114432_C001 CS_OFFL_SIR_NOPN_2_20190608T110236_20190608T123430_C001 CS_OFFL_SIR_NOPN_2_20190608T123242_20190608T123430_C001 CS_OFFL_SIR_NOPN_2_20190608T123242_20190608T123957_C001 CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T1425017_C001 CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T1425017_C001 CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T1425017_C001 CS_OFFL_SIR_NOPN_2_20190608T14148_20190608T14155201 CS_OFFL_SIR_NOPN_2_20190608T141484_20190608T141455_C001 CS_OFFL_SIR_NOPN_2_20190608T141212_20190608T142405_C001 CS_OFFL_SIR_NOPN_2_20190608T155503_20190608T15528_C001 CS_OFFL_SIR_NOPN_2_20190608T155503_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T17315_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T17315_20190608T173239_C011 CS_ | CS_OFFL_SIR_NOPN_2_20190608T074638_20190608T074802_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T092537_20190608T092646_C001 CS_OFFL_SIR_NOPN_2_20190608T1005327_20190608T1005504_C001 CS_OFFL_SIR_NOPN_2_20190608T110054_20190608T110056_C001 CS_OFFL_SIR_NOPN_2_20190608T110236_20190608T110056_C001 CS_OFFL_SIR_NOPN_2_20190608T110236_20190608T114829_C001 CS_OFFL_SIR_NOPN_2_20190608T123242_20190608T123430_C001 CS_OFFL_SIR_NOPN_2_20190608T123242_20190608T123957_C001 CS_OFFL_SIR_NOPN_2_20190608T123951_20190608T123957_C001 CS_OFFL_SIR_NOPN_2_20190608T123263_20190608T123957_C001 CS_OFFL_SIR_NOPN_2_20190608T123951_20190608T123957_C001 CS_OFFL_SIR_NOPN_2_20190608T123057_C001 CS_OFFL_SIR_NOPN_2_20190608T132153_20190608T142009_C001 CS_OFFL_SIR_NOPN_2_20190608T141480_20190608T141455_C001 CS_OFFL_SIR_NOPN_2_20190608T141489_20190608T141455_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T142405_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T155238_C001 CS_OFFL_SIR_NOPN_2_20190608T155803_20190608T155809_C001 CS_OFFL_SIR_NOPN_2_20190608T155803_20190608T165809_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T165809_C001 CS_OFFL_SIR_NOPN_2_20190608T174153_C0190608T1612329_C001 CS_OFFL_SIR_NOPN_2_20190608T174041_20190608T163239_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T16123239_C001 CS_OFFL_SI | CS_OFFL_SIR_NOPN_2_20190608T082810_20190608T083012_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T100809_20190608T100827_C001 CS_OFFL_SIR_NOPN_2_20190608T110232_20190608T110056_C001 CS_OFFL_SIR_NOPN_2_20190608T110236_20190608T110434_C001 CS_OFFL_SIR_NOPN_2_20190608T110236_20190608T114829_C001 CS_OFFL_SIR_NOPN_2_20190608T123242_20190608T123430_C001 CS_OFFL_SIR_NOPN_2_20190608T123951_20190608T123957_C001 CS_OFFL_SIR_NOPN_2_20190608T124007_20190608T124009_C001 CS_OFFL_SIR_NOPN_2_20190608T124007_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T12153_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T141148_20190608T141455_C001 CS_OFFL_SIR_NOPN_2_20190608T141148_20190608T141455_C001 CS_OFFL_SIR_NOPN_2_20190608T141148_20190608T141455_C001 CS_OFFL_SIR_NOPN_2_20190608T141145_20190608T141405_C001 CS_OFFL_SIR_NOPN_2_20190608T141105_20190608T142405_C001 CS_OFFL_SIR_NOPN_2_20190608T15119_20190608T155238_C001 CS_OFFL_SIR_NOPN_2_20190608T16155105_1016268_C001 CS_OFFL_SIR_NOPN_2_20190608T16135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T16135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T174041_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T1912033_C001 CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T1912033_C001 CS_OFFL | CS_OFFL_SIR_NOPN_2_20190608T091508_20190608T091656_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T105327_20190608T105504_C001 CS_OFFL_SIR_NOPN_2_20190608T110054_20190608T110056_C001 CS_OFFL_SIR_NOPN_2_20190608T110236_20190608T114842_C001 CS_OFFL_SIR_NOPN_2_20190608T123242_20190608T123430_C001 CS_OFFL_SIR_NOPN_2_20190608T123242_20190608T123430_C001 CS_OFFL_SIR_NOPN_2_20190608T123051_20190608T123430_C001 CS_OFFL_SIR_NOPN_2_20190608T123051_20190608T123057_C001 CS_OFFL_SIR_NOPN_2_20190608T124007_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T141405_20190608T141451_C001 CS_OFFL_SIR_NOPN_2_20190608T14148_20190608T141455_C001 CS_OFFL_SIR_NOPN_2_20190608T141148_20190608T141455_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T142405_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T15528_C001 CS_OFFL_SIR_NOPN_2_20190608T155190_20190608T165238_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T16220_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T16220_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T17315_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T1817329_C001 CS_OFFL_SIR_NOPN_2_20190608T19174041_20190608T181213_C001 CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T19174041_20190608T1912033_C001 <t< td=""><td>CS_OFFL_SIR_NOPN_2_20190608T092537_20190608T092646_C001</td></t<> | CS_OFFL_SIR_NOPN_2_20190608T092537_20190608T092646_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T110054_20190608T110056_C001 CS_OFFL_SIR_NOPN_2_20190608T110236_20190608T114829_C001 CS_OFFL_SIR_NOPN_2_20190608T12342_20190608T123430_C001 CS_OFFL_SIR_NOPN_2_20190608T123951_20190608T123957_C001 CS_OFFL_SIR_NOPN_2_20190608T123951_20190608T123957_C001 CS_OFFL_SIR_NOPN_2_20190608T124007_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T124004_20190608T132706_C001 CS_OFFL_SIR_NOPN_2_20190608T13155_20190608T141551_C001 CS_OFFL_SIR_NOPN_2_20190608T14148_20190608T141855_C001 CS_OFFL_SIR_NOPN_2_20190608T14114905_20190608T141855_C001 CS_OFFL_SIR_NOPN_2_20190608T14114905_20190608T141455_C001 CS_OFFL_SIR_NOPN_2_20190608T15119_20190608T155286_C001 CS_OFFL_SIR_NOPN_2_20190608T155119_20190608T155286_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T162566_C001 CS_OFFL_SIR_NOPN_2_20190608T163739_20190608T162256_C001 CS_OFFL_SIR_NOPN_2_20190608T163739_20190608T162256_C001 CS_OFFL_SIR_NOPN_2_20190608T161015_20190608T173239_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T1917404_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T1912033_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T20345_C001 <t< td=""><td>CS_OFFL_SIR_NOPN_2_20190608T100809_20190608T100827_C001</td></t<> | CS_OFFL_SIR_NOPN_2_20190608T100809_20190608T100827_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T110236_20190608T110434_C001 CS_OFFL_SIR_NOPN_2_20190608T123242_20190608T123430_C001 CS_OFFL_SIR_NOPN_2_20190608T123242_20190608T123430_C001 CS_OFFL_SIR_NOPN_2_20190608T123051_20190608T123957_C001 CS_OFFL_SIR_NOPN_2_20190608T124007_20190608T124009_C001 CS_OFFL_SIR_NOPN_2_20190608T124004_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T124004_20190608T141051_C001 CS_OFFL_SIR_NOPN_2_20190608T14148_20190608T141451_C001 CS_OFFL_SIR_NOPN_2_20190608T141489_20190608T141855_C001 CS_OFFL_SIR_NOPN_2_20190608T142129_20190608T142405_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T150528_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T170145_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T170145_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T170145_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T170145_20190608T17315_20190608T17315_20190608T17315_20190608T17315_20190608T17315_20190608T17315_20190608T17315_20190608T17315_20190608T17315_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T20334 | CS_OFFL_SIR_NOPN_2_20190608T105327_20190608T105504_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T114614_20190608T114829_C001 CS_OFFL_SIR_NOPN_2_20190608T123951_20190608T123430_C001 CS_OFFL_SIR_NOPN_2_20190608T123951_20190608T124009_C001 CS_OFFL_SIR_NOPN_2_20190608T124007_20190608T124009_C001 CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T132153_20190608T132706_C001 CS_OFFL_SIR_NOPN_2_20190608T14148_0190608T141451_C001 CS_OFFL_SIR_NOPN_2_20190608T141484_0190608T141455_C001 CS_OFFL_SIR_NOPN_2_20190608T141905_20190608T141455_C001 CS_OFFL_SIR_NOPN_2_20190608T142129_20190608T150528_C001 CS_OFFL_SIR_NOPN_2_20190608T155119_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T163739_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T163739_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T163739_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T181914_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T192033_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T192033_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_201 | CS_OFFL_SIR_NOPN_2_20190608T110054_20190608T110056_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T123242_20190608T123450_C001 CS_OFFL_SIR_NOPN_2_20190608T123951_20190608T123957_C001 CS_OFFL_SIR_NOPN_2_20190608T124007_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T124004_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T12153_20190608T141451_C001 CS_OFFL_SIR_NOPN_2_20190608T14148_20190608T141451_C001 CS_OFFL_SIR_NOPN_2_20190608T141485_20100 CS_OFFL_SIR_NOPN_2_20190608T141905_20190608T141910_C001 CS_OFFL_SIR_NOPN_2_20190608T141195_20190608T142405_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T150528_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T150528_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C | CS_OFFL_SIR_NOPN_2_20190608T110236_20190608T110434_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T123951_20190608T123957_C001 CS_OFFL_SIR_NOPN_2_20190608T124007_20190608T124009_C001 CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T132153_20190608T132706_C001 CS_OFFL_SIR_NOPN_2_20190608T14148_20190608T141451_C001 CS_OFFL_SIR_NOPN_2_20190608T141148_20190608T141455_C001 CS_OFFL_SIR_NOPN_2_20190608T14189_20190608T141855_C001 CS_OFFL_SIR_NOPN_2_20190608T142129_20190608T142405_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T15528_C001 CS_OFFL_SIR_NOPN_2_20190608T155803_20190608T15528_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T173239_C001 CS_OFFL_SIR_NOPN_2_20190608T1917329_190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223507_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T2325015_20190608T22373_C001 CS_O | CS_OFFL_SIR_NOPN_2_20190608T114614_20190608T114829_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T124007_20190608T124009_C001 CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T132153_20190608T1412706_C001 CS_OFFL_SIR_NOPN_2_20190608T141148_20190608T141451_C001 CS_OFFL_SIR_NOPN_2_20190608T141148_20190608T141855_C001 CS_OFFL_SIR_NOPN_2_20190608T141905_20190608T141910_C001 CS_OFFL_SIR_NOPN_2_20190608T142129_20190608T142405_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T150528_C001 CS_OFFL_SIR_NOPN_2_20190608T155119_20190608T155238_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T173239_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T181753.20190608T191233_C001 CS_OFFL_SIR_NOPN_2_20190608T1917441_20190608T191233_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223740_C001 CS_OFFL_SIR_NOPN_2_20190608T224036_20190608T22373_C001 CS_OFFL_SIR_NOPN_2_20190608T224036 | CS_OFFL_SIR_NOPN_2_20190608T123242_20190608T123430_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T132153_20190608T132706_C001 CS_OFFL_SIR_NOPN_2_20190608T141148_20190608T141451_C001 CS_OFFL_SIR_NOPN_2_20190608T1411849_20190608T141855_C001 CS_OFFL_SIR_NOPN_2_20190608T141849_20190608T141855_C001 CS_OFFL_SIR_NOPN_2_20190608T141905_20190608T142405_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T150528_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T155238_C001 CS_OFFL_SIR_NOPN_2_20190608T15519_20190608T155809_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T163739_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T173239_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T173239_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T1912033_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_0190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T224036_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 | CS_OFFL_SIR_NOPN_2_20190608T123951_20190608T123957_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T125017_C001 CS_OFFL_SIR_NOPN_2_20190608T132153_20190608T132706_C001 CS_OFFL_SIR_NOPN_2_20190608T141148_20190608T141451_C001 CS_OFFL_SIR_NOPN_2_20190608T1411849_20190608T141855_C001 CS_OFFL_SIR_NOPN_2_20190608T141849_20190608T141855_C001 CS_OFFL_SIR_NOPN_2_20190608T141905_20190608T142405_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T150528_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T155238_C001 CS_OFFL_SIR_NOPN_2_20190608T15519_20190608T155809_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T163739_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T173239_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T173239_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T1912033_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_0190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T224036_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 | CS OFFL SIR NOPN 2 20190608T124007 20190608T124009 C001 |
| CS_OFFL_SIR_NOPN_2_20190608T132153_20190608T132706_C001 CS_OFFL_SIR_NOPN_2_20190608T141148_20190608T141451_C001 CS_OFFL_SIR_NOPN_2_20190608T141849_20190608T141855_C001 CS_OFFL_SIR_NOPN_2_20190608T141905_20190608T141910_C001 CS_OFFL_SIR_NOPN_2_20190608T142129_20190608T142405_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T150528_C001 CS_OFFL_SIR_NOPN_2_20190608T155119_20190608T155238_C001 CS_OFFL_SIR_NOPN_2_20190608T155803_20190608T155809_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T163739_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T163739_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T224026_2001 CS_OFFL_SIR_NOPN_2_20190608T224036_20190608T22373_C001 CS_OFFL_SIR_NOPN_2_20190608T233124_20190608T232733_C001 | CS_OFFL_SIR_NOPN_2_20190608T124904_20190608T125017_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T141148_20190608T141451_C001 CS_OFFL_SIR_NOPN_2_20190608T141849_20190608T141855_C001 CS_OFFL_SIR_NOPN_2_20190608T141905_20190608T141910_C001 CS_OFFL_SIR_NOPN_2_20190608T142129_20190608T142405_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T150528_C001 CS_OFFL_SIR_NOPN_2_20190608T155119_20190608T155238_C001 CS_OFFL_SIR_NOPN_2_20190608T155803_20190608T155809_C001 CS_OFFL_SIR_NOPN_2_20190608T155803_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T173239_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T173239_C001 CS_OFFL_SIR_NOPN_2_20190608T174041_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T174041_20190608T181914_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T192033_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T23357_20190608T23373_C001 CS_OFFL_SIR_NOPN_2_20190608T23357_20190608T233749_C001 CS_OFFL_SIR_NOPN_2_20190608T23355_2019 | |
| CS_OFFL_SIR_NOPN_2_20190608T141905_20190608T141910_C001 CS_OFFL_SIR_NOPN_2_20190608T142129_20190608T142405_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T150528_C001 CS_OFFL_SIR_NOPN_2_20190608T155119_20190608T155238_C001 CS_OFFL_SIR_NOPN_2_20190608T155119_20190608T155238_C001 CS_OFFL_SIR_NOPN_2_20190608T155803_20190608T155809_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T163739_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T174041_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T1912033_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T23251_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T2332615_20190608T233251_C001 | |
| CS_OFFL_SIR_NOPN_2_20190608T141905_20190608T141910_C001 CS_OFFL_SIR_NOPN_2_20190608T142129_20190608T142405_C001 CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T150528_C001 CS_OFFL_SIR_NOPN_2_20190608T155119_20190608T155238_C001 CS_OFFL_SIR_NOPN_2_20190608T155119_20190608T155238_C001 CS_OFFL_SIR_NOPN_2_20190608T155803_20190608T155809_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T163739_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T174041_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T1912033_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T23251_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T2332615_20190608T233251_C001 | CS OFFL SIR NOPN 2 20190608T141849 20190608T141855 C001 |
| CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T150528_C001 CS_OFFL_SIR_NOPN_2_20190608T155803_20190608T155238_C001 CS_OFFL_SIR_NOPN_2_20190608T155803_20190608T155809_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T163739_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T163739_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T173239_C001 CS_OFFL_SIR_NOPN_2_20190608T174041_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T192033_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T205630_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T2332615_20190608T233251_C001 | CS_OFFL_SIR_NOPN_2_20190608T141905_20190608T141910_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T155119_20190608T155238_C001 CS_OFFL_SIR_NOPN_2_20190608T155803_20190608T155809_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T163739_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T173239_C001 CS_OFFL_SIR_NOPN_2_20190608T174041_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T181914_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T205630_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T22306_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T233251_C001 | CS_OFFL_SIR_NOPN_2_20190608T142129_20190608T142405_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T155803_20190608T155809_C001 CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T163739_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T173239_C001 CS_OFFL_SIR_NOPN_2_20190608T174041_20190608T173239_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T181914_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T205630_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T205630_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T224036_20190608T223733_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 | CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T150528_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 CS_OFFL_SIR_NOPN_2_20190608T163739_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T173239_C001 CS_OFFL_SIR_NOPN_2_20190608T174041_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T181914_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T192033_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T205630_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T2233431_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T2233431_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T2233431_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T2233431_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T2233431_C001 CS_OFFL_SIR_NOPN_2_20190608T2333124_20190608T23333_C001 | CS_OFFL_SIR_NOPN_2_20190608T155119_20190608T155238_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T163739_20190608T164220_C001 CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T173239_C001 CS_OFFL_SIR_NOPN_2_20190608T174041_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T181914_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T192033_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T205630_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T224036_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T233251_C001 | CS_OFFL_SIR_NOPN_2_20190608T155803_20190608T155809_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T173239_C001 CS_OFFL_SIR_NOPN_2_20190608T174041_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T181914_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T192033_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T205630_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T224036_20190608T22373_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T233124_20190608T233251_C001 | CS_OFFL_SIR_NOPN_2_20190608T160135_20190608T160256_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T173115_20190608T173239_C001 CS_OFFL_SIR_NOPN_2_20190608T174041_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T181914_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T192033_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T205630_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T224036_20190608T22373_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T233124_20190608T233251_C001 | CS OFFL SIR NOPN 2 20190608T163739 20190608T164220 C001 |
| CS_OFFL_SIR_NOPN_2_20190608T174041_20190608T174153_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T181914_C001 CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T181914_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T192033_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T205630_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223615_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T23733_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T23733_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T233124_20190608T233251_C001 | |
| CS_OFFL_SIR_NOPN_2_20190608T181753_20190608T181914_C001 CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T192033_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T205630_20190608T20345_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223615_20190608T224202_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T233124_20190608T233251_C001 | |
| CS_OFFL_SIR_NOPN_2_20190608T191048_20190608T191213_C001 CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T192033_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T205630_20190608T210014_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223615_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T224036_20190608T224202_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T233124_20190608T233251_C001 | |
| CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T192033_C001 CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T205630_20190608T210014_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T224036_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T224036_20190608T224202_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T233124_20190608T233251_C001 | |
| CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 CS_OFFL_SIR_NOPN_2_20190608T205630_20190608T210014_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T224036_20190608T224202_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T233124_20190608T233251_C001 | |
| CS_OFFL_SIR_NOPN_2_20190608T205630_20190608T210014_C001 CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T224036_20190608T224202_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T233124_20190608T233251_C001 | |
| CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T224036_20190608T224202_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T233124_20190608T233251_C001 | CS_OFFL_SIR_NOPN_2_20190608T205037_20190608T205345_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 CS_OFFL_SIR_NOPN_2_20190608T224036_20190608T224202_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T233124_20190608T233251_C001 | CS_OFFL_SIR_NOPN_2_20190608T205630_20190608T210014_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T224036_20190608T224202_C001 CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T233124_20190608T233251_C001 | CS_OFFL_SIR_NOPN_2_20190608T223107_20190608T223341_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 CS_OFFL_SIR_NOPN_2_20190608T233124_20190608T233251_C001 | CS_OFFL_SIR_NOPN_2_20190608T223537_20190608T223749_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T233124_20190608T233251_C001 | CS_OFFL_SIR_NOPN_2_20190608T224036_20190608T224202_C001 |
| | CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T001025_20190608T001154_C001 | CS_OFFL_SIR_NOPN_2_20190608T233124_20190608T233251_C001 |
| | CS_OFFL_SIR_NOPR_2_20190608T001025_20190608T001154_C001 |

| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
|--|---|
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| 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 2) |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records There is an error with the ECMWF Meteo Corrections for one or more |
| ECMWF Meteo Corrections | records |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records |
| ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| 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 2) |
| Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| ECMWF Meteo Corrections, Mean Dynamic Topography (1) | There is an error with the ECMWF Meteo Corrections and the Mean Sea Surface Height (solution 1) for one or more records |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| ECMWF Meteo Corrections, Mean Dynamic Topography (1) | There is an error with the ECMWF Meteo Corrections and the Mean Sea Surface Height (solution 1) for one or more records |
| Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| Total Geocentric Ocean Tide (GOT) | There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records |
| ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records |
| ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records |
| ECMWF Meteo Corrections, Mean Sea Surface (1), Mean Dynamic Topography (1) | There is an error with the ECMWF Meteo Corrections, the Mean Sea Surface Height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| ECMWF Meteo Corrections, Mean Sea | records intere is an error with the ECMVVF Meteo Corrections, the Mean Sea Surface Height (solution 1), the Mean Dynamic Topography (solution 1) |
| Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) | and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more |
| ECMWF Meteo Corrections | records |
| Mean Dynamic Topography (1) | There is an error with the Mean Dynamic Topography height for one or more records |

| CS_OFFL_SIR_NOPR_2_20190608T033143_20190608T033640_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 2) |
|---|--|---|
| CS_OFFL_SIR_NOPR_2_20190608T050846_20190608T051839_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 2) |
| CS_OFFL_SIR_NOPR_2_20190608T064926_20190608T065732_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 2) |
| CS_OFFL_SIR_NOPR_2_20190608T074227_20190608T074229_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPR_2_20190608T083012_20190608T083753_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 2) |
| CS_OFFL_SIR_NOPR_2_20190608T092124_20190608T092129_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPR_2_20190608T092137_20190608T092142_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPR_2_20190608T100916_20190608T101624_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 2) |
| CS_OFFL_SIR_NOPR_2_20190608T110022_20190608T110028_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPR_2_20190608T110035_20190608T110040_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPR_2_20190608T112402_20190608T112615_C001 | Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT) | There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records |
| CS_OFFL_SIR_NOPR_2_20190608T114830_20190608T115015_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 2) |
| CS_OFFL_SIR_NOPR_2_20190608T115015_20190608T115533_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 2) |
| CS_OFFL_SIR_NOPR_2_20190608T123933_20190608T123939_C001 | ECMWF Meteo Corrections | There is an error with the ECMWF Meteo Corrections for one or more records |
| CS_OFFL_SIR_NOPR_2_20190608T132706_20190608T133324_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 2) |
| CS_OFFL_SIR_NOPR_2_20190608T150528_20190608T150922_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 2) |
| CS_OFFL_SIR_NOPR_2_20190608T195851_20190608T195924_C001 | Tide (GOT), Total Geocentric Ocean | There is an error with the ECMWF Meteo Corrections, the Inverse Barometric Correction, the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2:FES) and the Non-Equilibrium Long Period Ocean Tide 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: 1

| Product | Test Failed | Description |
|---|---------------------|---|
| CS_OFFL_SIR_NOPM_2_20190608T061841_20190608T062742_C001 | Power scaling error | There is an error in the scaling of the L2 waveform for one or more records |
| | | |

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

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

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| Product | Test Failed | Description |
|---|---|---|
| CS_OFFL_SIR_NOPM_2_20190608T002650_20190608T003930_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T004510_20190608T005314_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T005425_20190608T005739_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T010222_20190608T011030_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_20190608T011309_20190608T012818_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T021114_20190608T023737_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T024345_20190608T024910_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_20190608T025311_20190608T031659_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T035017_20190608T040011_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T040549_20190608T041624_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T042313_20190608T042915_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_20190608T052235_20190608T055502_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T060222_20190608T060751_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_20190608T061058_20190608T061541_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
|---|--|--|
| CS_OFFL_SIR_NOPM_2_20190608T064638_20190608T064926_C001 | Ocean Backscatter Quality Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backgraduate Quality, | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T070125_20190608T071226_C001 | Ocean Backscatter Quality Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T071308_20190608T073458_C001 | Ocean Backscatter Quality Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T074123_20190608T074638_C001 | Ocean Backscatter Quality 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_20190608T075046_20190608T080817_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T083906_20190608T091318_C001 | Ocean Backscatter Quality Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T091657_20190608T092123_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_20190608T092130_20190608T092137_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_20190608T093226_20190608T100348_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T101625_20190608T103100_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T103542_20190608T103700_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T103703_20190608T105257_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T105504_20190608T110022_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_20190608T110041_20190608T110236_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_20190608T111048_20190608T112401_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T112615_20190608T113940_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T114048_20190608T114250_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T121741_20190608T123146_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T123430_20190608T123933_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_20190608T124806_20190608T124904_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T125500_20190608T130019_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T130558_20190608T130953_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T131116_20190608T131825_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T135002_20190608T141022_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T141452_20190608T141849_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_20190608T141856_20190608T141904_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range Quality, Ocean | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T142546_20190608T145344_C001 | SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality, Ocean | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T152541_20190608T155000_C001 | SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T155239_20190608T155803_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_20190608T155809_20190608T160135_C001 | OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range Quality, Ocean | The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T160514_20190608T161604_C001 | SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality, Ocean | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T162142_20190608T163739_C001 | SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality, Ocean | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T170153_20190608T172137_C001 | SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality, Ocean | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T172429_20190608T172924_C001 | SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |

| | 1 | |
|---|---|--|
| CS_OFFL_SIR_NOPM_2_20190608T173239_20190608T174041_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_20190608T174507_20190608T181752_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T183114_20190608T183214_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T185256_20190608T190813_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T191213_20190608T191729_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_20190608T192415_20190608T194542_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T194827_20190608T195850_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T200921_20190608T201405_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T202832_20190608T203432_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T203620_20190608T204649_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T205346_20190608T205629_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_20190608T210348_20190608T214003_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T215235_20190608T215930_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T215948_20190608T222405_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T223342_20190608T223536_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_20190608T224301_20190608T231109_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPM_2_20190608T233252_20190608T234840_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190608T042915_20190608T043038_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190608T150151_20190608T150528_C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS OFFL SIR NOPN 2 20190608T224036 20190608T224202 C001 | Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags |

L2 Quality Flags (20Hz PLRM)

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

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

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

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| Product | Test Failed | Description |
|---|--|---|
| CS_OFFL_SIR_NOPN_2_20190608T010012_20190608T010221_C001 | Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Aumeter Range Quality PLRM, | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190608T015626_20190608T020216_C001 | OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean | 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_20190608T024910_20190608T025140_C001 | Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190608T041905_20190608T042025_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_20190608T051839_20190608T052235_C001 | Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190608T055854_20190608T060222_C001 | Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190608T070040_20190608T070125_C001 | Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190608T073802_20190608T074122_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_20190608T074638_20190608T074802_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_20190608T082810_20190608T083012_C001 | Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Aumiteter Range Quality PLRM, | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| CS_OFFL_SIR_NOPN_2_20190608T105327_20190608T105504_C001 | Ocean SSHA Quality PLRM, Ocean SSHA Quality PLRM, Stean SSHA Quality PLRM, Ocean | 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_20190608T114614_20190608T114829_C001 | Ocean SHA Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality Ocean Backsratter | 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_20190608T123242_20190608T123430_C001 |
|---|
| CS_OFFL_SIR_NOPN_2_20190608T132153_20190608T132706_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T141148_20190608T141451_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T142129_20190608T142405_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T174041_20190608T174153_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T182011_20190608T182148_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T184036_20190608T184209_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T191729_20190608T192033_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T205630_20190608T210014_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T210029_20190608T210057_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T214121_20190608T214138_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T214734_20190608T215111_C001 |
| CS_OFFL_SIR_NOPN_2_20190608T232615_20190608T232733_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T025140_20190608T025310_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T032738_20190608T032951_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T033143_20190608T033640_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T041624_20190608T041905_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T050846_20190608T051839_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T064926_20190608T065732_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T073458_20190608T073801_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T074802_20190608T075046_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T083012_20190608T083753_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T091319_20190608T091507_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T092646_20190608T093021_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T100916_20190608T101624_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T110434_20190608T111048_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T114250_20190608T114613_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T114830_20190608T115015_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T115015_20190608T115533_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T123933_20190608T123939_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T132706_20190608T133324_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T150528_20190608T150922_C001 |
| CS_OFFL_SIR_NOPR_2_20190608T174153_20190608T174506_C001 |
| |

OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM. Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Allimeter Range Quality PLRIVI, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM. Ocean SWH Quality Q , D Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality OCOG Altimeter Range Quality PLRM. OCOG Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ócean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM. Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM. Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality OCOG Altimeter Range Quality PLRM. OCOG Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM. Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean

SWH Quality, Ocean Backscatter Quality Ocean Altimeter Range Quality PLRM,

SWH Quality, Ocean Backscatter Quality

Ocean SSHA Quality PLRM, Ocean

The OCOG Range and Backscatter Quality Flags have been set for one or more records.

The OCOG Range and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The OCOG Range and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

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.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The OCOG Range and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

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The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

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The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The OCOG Range and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

| CS_OFFL_SIR_NOPR_2_20190608T210014_2019 | 0608T210029_C001 | Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
|---|------------------|---|---|
| CS_OFFL_SIR_NOPR_2_20190608T210126_2019 | 0608T210348_C001 | Ocean Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality | The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. |
| L2 Quality Flags (1 Hz & 1Hz PLRM) | | | |
| Currently, there are several common flags raised in the Level 2 products, which are summarised below. | | | |
| > 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected. | | | |
| Number of products with errors: | 158 | | |
| 5.7 L2 Ocean Retracking Quality Check | | | |
| L2 Quality 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. | | | |
| Number of products with errors: | 56 | | |
| L2 Quality 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: | 129 | | |
| | | | |