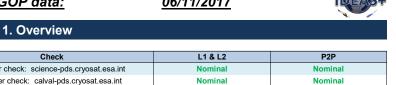


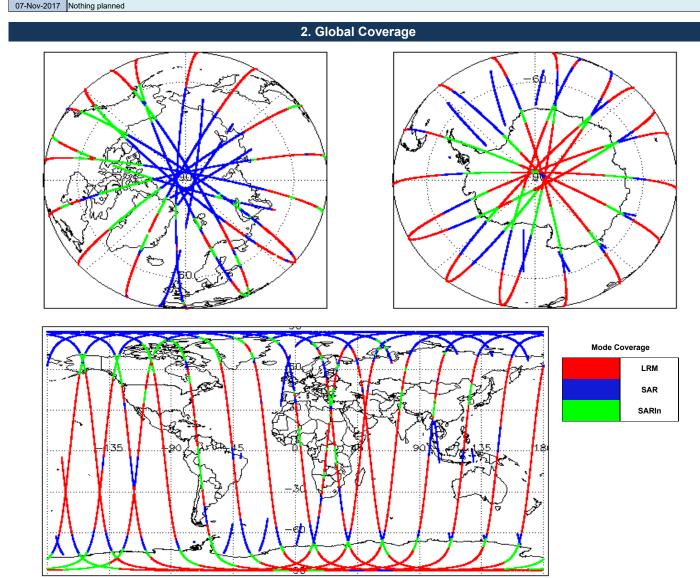
IDEAS+ Daily Report for GOP data:

06/11/2017



| Report Production: | 14-Feb-2019 | Check | L1 & L2 | P2P |
|--------------------|----------------------------------|--|----------------------|----------------------|
| Report Production. | 14-Feb-2019 | Server check: science-pds.cryosat.esa.int | Nominal | Nominal |
| Processor Used: | CryoSat Ocean Processor | Server check: calval-pds.cryosat.esa.int | Nominal | Nominal |
| Processor Useu. | | Product Software Check | Nominal | Nominal |
| Data Used: | Geophysical Ocean Products (GOP) | Product Format Check | Nominal | Nominal |
| Data Useu. | L1B, L2 & P2P Science Data | Product Header Analysis | Nominal | Nominal |
| | | Auxiliary Data File Usage Check | Nominal | Nominal |
| | | Auxiliary Correction Error Check | Nominal | Nominal |
| | | Measurement Confidence Data Check | See Section 4.5, 4.6 | Nominal |
| | | Range, SWH & Backscatter Measurement Check | See Section 5.6, 5.7 | See Section 6.6, 6.7 |
| | | Ocean Retracking Quality Check | See Section 5.8 | See Section 6.8 |

| Mission / Instrument News | | |
|---------------------------|------|--|
| 05-Nov-2017 | None | |
| 06-Nov-2017 | None | |
| | | |



3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

0

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

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

| Each product is checked for missing Data Set Descriptors with respect to a pre | -determined baseline and also to | check the validity of Auxiliary Data Files is correct | |
|---|---|--|--|
| Number of products with errors: 0 | | check the validity of Auxiliary Data Flies is correct. | |
| | | | |
| 4.4 L1B Auxiliary Correction Error Check | | | |
| CryoSat L1B data includes a correction error flag for each measurement record | d. The bit value of this flag indicat | es any problems when set. | |
| Number of products with errors: 0 | | | |
| 4.5 L1B Measurement Confidence Data Check | | | |
| CryoSat L1B data includes a measurement confidence flag for each measurem | nent record. The bit value of this f | lag indicates any problems when set. | |
| Attitude Correction Missing: This flag is currently set in error for GOPR prod | ucts due to a configuration issue. | This is being investigated and will be updated in the next SW update. | |
| Number of products with errors: 0 | | | |
| 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. | | | |
| | | 51 | |
| Loss of Echo Flag: This flag is currently set for some products over land, but | this is to be expected. | | |
| | this is to be expected. | | |
| Loss of Echo Flag: This flag is currently set for some products over land, but Number of products with errors: 19 Product | this is to be expected. | Description | |
| Number of products with errors: 19 | | | |
| Number of products with errors: 19 Product CS_OFFL_SIR_GOPM1B_20171106T145521_20171106T145700_C001 CS_OFFL_SIR_GOPM1B_20171106T162511_20171106T163441_C001 | Test Failed Loss of Echo Loss of Echo | Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records | |
| Number of products with errors: 19 Product | Test Failed Loss of Echo Loss of Echo Loss of Echo | Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records | |
| Number of products with errors: 19 Product CS_OFFL_SIR_GOPM1B_20171106T145521_20171106T145700_C001 CS_OFFL_SIR_GOPM1B_20171106T162511_20171106T163441_C001 CS_OFFL_SIR_GOPM1B_20171106T172504_20171106T173045_C001 CS_OFFL_SIR_GOPM1B_20171106T173926_20171106T174100_C001 | Test Failed Loss of Echo Loss of Echo Loss of Echo Loss of Echo | Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records | |
| Number of products with errors: 19 Product CS_OFFL_SIR_GOPM1B_20171106T145521_20171106T145700_C001 CS_OFFL_SIR_GOPM1B_20171106T162511_20171106T163441_C001 CS_OFFL_SIR_GOPM1B_20171106T172504_20171106T173045_C001 CS_OFFL_SIR_GOPM1B_20171106T173926_20171106T174100_C001 CS_OFFL_SIR_GOPM1B_20171106T212222_20171106T214818_C001 | Test Failed Loss of Echo | Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records | |
| Number of products with errors: 19 Product CS_OFFL_SIR_GOPM1B_20171106T145521_20171106T145700_C001 CS_OFFL_SIR_GOPM1B_20171106T162511_20171106T163441_C001 CS_OFFL_SIR_GOPM1B_20171106T172504_20171106T173045_C001 CS_OFFL_SIR_GOPM1B_20171106T173926_20171106T173045_C001 CS_OFFL_SIR_GOPM1B_20171106T173926_20171106T174100_C001 CS_OFFL_SIR_GOPM1B_20171106T212222_20171106T214818_C001 CS_OFFL_SIR_GOPM1B_20171106T075103_20171106T075132_C001 | Test Failed Loss of Echo | Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records | |
| Number of products with errors: 19 Product | Test Failed Loss of Echo | Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records | |
| Number of products with errors: 19 Product | Test Failed Loss of Echo Loss of Echo | Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records | |
| Number of products with errors: 19 Product CS_OFFL_SIR_GOPM1B_20171106T145521_20171106T145700_C001 CS_OFFL_SIR_GOPM1B_20171106T162511_20171106T163441_C001 CS_OFFL_SIR_GOPM1B_20171106T172504_20171106T173045_C001 CS_OFFL_SIR_GOPM1B_20171106T173926_20171106T174100_C001 CS_OFFL_SIR_GOPM1B_20171106T212222_20171106T214818_C001 CS_OFFL_SIR_GOPM1B_20171106T075103_20171106T075132_C001 CS_OFFL_SIR_GOPN1B_20171106T093807_20171106T094303_C001 CS_OFFL_SIR_GOPN1B_20171106T174252_20171106T174657_C001 CS_OFFL_SIR_GOPN1B_20171106T174252_20171106T210210_C001 | Test Failed Loss of Echo | Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records | |
| Number of products with errors: 19 Product CS_OFFL_SIR_GOPM1B_20171106T145521_20171106T145700_C001 CS_OFFL_SIR_GOPM1B_20171106T162511_20171106T163441_C001 CS_OFFL_SIR_GOPM1B_20171106T172504_20171106T173045_C001 CS_OFFL_SIR_GOPM1B_20171106T173926_20171106T174100_C001 CS_OFFL_SIR_GOPM1B_20171106T212222_20171106T214818_C001 CS_OFFL_SIR_GOPM1B_20171106T075103_20171106T075132_C001 CS_OFFL_SIR_GOPN1B_20171106T093807_20171106T094303_C001 CS_OFFL_SIR_GOPN1B_20171106T174252_20171106T174657_C001 CS_OFFL_SIR_GOPN1B_20171106T174052608_20171106T210210_C001 CS_OFFL_SIR_GOPN1B_20171106T205608_20171106T210210_C001 CS_OFFL_SIR_GOPN1B_20171106T205608_20171106T210210_C001 | Test Failed Loss of Echo Loss of Echo | Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records | |
| Number of products with errors: 19 Product CS_OFFL_SIR_GOPM1B_20171106T145521_20171106T145700_C001 CS_OFFL_SIR_GOPM1B_20171106T162511_20171106T163441_C001 CS_OFFL_SIR_GOPM1B_20171106T172504_20171106T173045_C001 CS_OFFL_SIR_GOPM1B_20171106T173926_20171106T174100_C001 CS_OFFL_SIR_GOPM1B_20171106T172022_20171106T214818_C001 CS_OFFL_SIR_GOPM1B_20171106T075103_20171106T075132_C001 CS_OFFL_SIR_GOPN1B_20171106T093807_20171106T094303_C001 CS_OFFL_SIR_GOPN1B_20171106T174552_20171106T174657_C001 CS_OFFL_SIR_GOPN1B_20171106T1205608_20171106T210210_C001 CS_OFFL_SIR_GOPN1B_20171106T220017_20171106T220134_C001 CS_OFFL_SIR_GOPN1B_20171106T230005_20171106T230213_C001 | Test Failed Loss of Echo | Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records | |
| Number of products with errors: 19 Product CS_OFFL_SIR_GOPM1B_20171106T145521_20171106T145700_C001 CS_OFFL_SIR_GOPM1B_20171106T162511_20171106T163441_C001 CS_OFFL_SIR_GOPM1B_20171106T172504_20171106T173045_C001 CS_OFFL_SIR_GOPM1B_20171106T173926_20171106T174100_C001 CS_OFFL_SIR_GOPM1B_20171106T212222_20171106T214818_C001 CS_OFFL_SIR_GOPM1B_20171106T075103_20171106T075132_C001 CS_OFFL_SIR_GOPN1B_20171106T0793807_20171106T075132_C001 CS_OFFL_SIR_GOPN1B_20171106T093807_20171106T074457_C001 CS_OFFL_SIR_GOPN1B_20171106T205688_20171106T210210_C001 CS_OFFL_SIR_GOPN1B_20171106T220017_20171106T220134_C001 CS_OFFL_SIR_GOPN1B_20171106T230005_20171106T230213_C001 CS_OFFL_SIR_GOPN1B_20171106T230005_20171106T03441_C001 CS_OFFL_SIR_GOPN1B_20171106T2300356_20171106T030441_C001 | Test Failed Loss of Echo Loss of Echo | Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records | |
| Number of products with errors: 19 Product CS_OFFL_SIR_GOPM1B_20171106T145521_20171106T145700_C001 CS_OFFL_SIR_GOPM1B_20171106T162511_20171106T163441_C001 CS_OFFL_SIR_GOPM1B_20171106T172504_20171106T173045_C001 CS_OFFL_SIR_GOPM1B_20171106T173926_20171106T17400_C001 CS_OFFL_SIR_GOPM1B_20171106T212222_20171106T214818_C001 CS_OFFL_SIR_GOPM1B_20171106T075103_20171106T075132_C001 CS_OFFL_SIR_GOPN1B_20171106T093807_20171106T094303_C001 CS_OFFL_SIR_GOPN1B_20171106T07503_20171106T074657_C001 CS_OFFL_SIR_GOPN1B_20171106T205608_20171106T210210_C001 CS_OFFL_SIR_GOPN1B_20171106T20017_20171106T220134_C001 CS_OFFL_SIR_GOPN1B_20171106T033005_20171106T03441_C001 CS_OFFL_SIR_GOPR1B_20171106T003356_20171106T075102_C001 CS_OFFL_SIR_GOPR1B_20171106T003056_20171106T075102_C001 | Test Failed Loss of Echo Loss of Echo | Description The tracking echo is missing for one or more records | |
| Number of products with errors: 19 Product CS_OFFL_SIR_GOPM1B_20171106T145521_20171106T145700_C001 CS_OFFL_SIR_GOPM1B_20171106T162511_20171106T163441_C001 CS_OFFL_SIR_GOPM1B_20171106T172504_20171106T173045_C001 CS_OFFL_SIR_GOPM1B_20171106T173926_20171106T174100_C001 CS_OFFL_SIR_GOPM1B_20171106T212222_20171106T214818_C001 CS_OFFL_SIR_GOPM1B_20171106T075103_20171106T075132_C001 CS_OFFL_SIR_GOPN1B_20171106T093807_20171106T094303_C001 CS_OFFL_SIR_GOPN1B_20171106T174522_20171106T0744657_C001 CS_OFFL_SIR_GOPN1B_20171106T205608_20171106T210210_C001 CS_OFFL_SIR_GOPN1B_20171106T220017_20171106T220134_C001 CS_OFFL_SIR_GOPN1B_20171106T230005_20171106T230213_C001 | Test Failed Loss of Echo Loss of Echo | Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records | |

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

5.2 L2 Product Header Analysis

5.1 L2 Product Format Check

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

Loss of Echo

Loss of Echo

Loss of Echo

Loss of Echo

5. GOP Level 2 Data Quality Check

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

5.3 L2 Auxiliary Data File Usage Check

CS_OFFL_SIR_GOPR1B_20171106T124622_20171106T124837_C001

CS_OFFL_SIR_GOPR1B_20171106T192519_20171106T193352_C001

CS_OFFL_SIR_GOPR1B_20171106T210211_20171106T210954_C001

CS_OFFL_SIR_GOPR1B_20171106T234017_20171106T234402_C001

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767). Number of products with errors: 0

5.5 L2 Measurement Confidence Data Check

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

5.6 L2 Range Measurement Check

CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are two common status flags 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.

Ocean Range Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 53

| Product | Test Failed | Description |
|---|------------------------------|--|
| CS_OFFL_SIR_GOPM_2_20171106T081017_20171106T081949_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T082523_20171106T083544_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T084248_20171106T084705_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T085159_20171106T091728_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T092651_20171106T092858_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T094303_20171106T095902_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T100119_20171106T101344_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T102159_20171106T102738_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T103116_20171106T103521_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T110640_20171106T110804_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T112114_20171106T115405_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T120103_20171106T120614_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T121150_20171106T122753_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T125859_20171106T133256_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T133847_20171106T134102_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T134108_20171106T134520_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T135015_20171106T141551_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T141615_20171106T142340_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T143846_20171106T145040_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T145521_20171106T145700_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T145717_20171106T151217_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T151441_20171106T152000_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T152019_20171106T152225_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T153114_20171106T154336_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T154537_20171106T160303_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T162511_20171106T163441_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T163643_20171106T165119_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T165406_20171106T165901_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T165904_20171106T165911_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T172504_20171106T173045_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T173049_20171106T173802_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T173926_20171106T174100_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T181448_20171106T183004_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T183350_20171106T183827_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T184526_20171106T191923_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T194425_20171106T200911_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T201748_20171106T202112_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T202509_20171106T203542_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T204117_20171106T205112_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T205216_20171106T205607_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T212222_20171106T214818_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T215203_20171106T215642_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T220541_20171106T223804_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T225040_20171106T225318_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T232215_20171106T232455_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| | | |

| CS_OFFL_SIR_GOPM_2_20171106T233147_20171106T233708_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
|---|------------------------------|--|
| CS_OFFL_SIR_GOPM_2_20171106T234403_20171107T000517_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20171106T115745_20171106T120102_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20171106T192129_20171106T192518_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20171106T043012_20171106T043646_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20171106T095902_20171106T100118_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20171106T152410_20171106T152710_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20171106T211000_20171106T211112_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |

5.7 L2 SWH and Backscatter Measurement Check

CryoSat L2 data includes a SWH Averaging Status flag and an Ocean and Ice Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are three common status flags 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.

SWH Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 55

| Product | Test Failed | Description |
|---|---|--|
| CS_OFFL_SIR_GOPM_2_20171106T081017_20171106T081949_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T082523_20171106T083544_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T084248_20171106T084705_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T085159_20171106T091728_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T092651_20171106T092858_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T094303_20171106T095902_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T100119_20171106T101344_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T102159_20171106T102738_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T103116_20171106T103521_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T110640_20171106T110804_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T112114_20171106T115405_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T120103_20171106T120614_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T121150_20171106T122753_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T124555_20171106T124622_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T125859_20171106T133256_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T133847_20171106T134102_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T134108_20171106T134520_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T135015_20171106T141551_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T141615_20171106T142340_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T143846_20171106T145040_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T145521_20171106T145700_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T145717_20171106T151217_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T151441_20171106T152000_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T152019_20171106T152225_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T153114_20171106T154336_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T154537_20171106T160303_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T162511_20171106T163441_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T163643_20171106T165119_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T165406_20171106T165901_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T170707_20171106T170936_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T172504_20171106T173045_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T173049_20171106T173802_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T173926_20171106T174100_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T181448_20171106T183004_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T183350_20171106T183827_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |

| CS_OFFL_SIR_GOPM_2_20171106T184526_20171106T191923_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
|---|---|--|
| CS_OFFL_SIR_GOPM_2_20171106T194425_20171106T200911_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T201224_20171106T201728_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T201748_20171106T202112_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T202509_20171106T203542_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T204117_20171106T205112_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T205216_20171106T205607_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T212222_20171106T214818_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T215203_20171106T215642_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T220541_20171106T223804_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T225040_20171106T225318_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T232215_20171106T232455_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T233147_20171106T233708_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20171106T234403_20171107T000517_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20171106T115745_20171106T120102_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20171106T192129_20171106T192518_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20171106T043012_20171106T043646_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20171106T095902_20171106T100118_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20171106T152410_20171106T152710_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20171106T211000_20171106T211112_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| | | |

5.8 L2 Ocean Retracking Quality Check

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

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below. 35

Number of products with errors:

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

6.3 P2P Auxiliary Data File Usage Check

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

6.4 P2P Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767). 0

Number of products with errors:

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

0

6.6 P2P Range Measurement Check

CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are two common status flags raised in the P2P 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.

Ocean Range Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 19

| Product | Test Failed | Description |
|--|---|--|
| CS_OFFL_SIR_GOP_2_20171106T075343_20171106T084318_C001 | Ocean Range Averaging Status, Ice Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T084318_20171106T093257_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T093257_20171106T102232_C001 | Ocean Range Averaging Status, Ice Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one or more records. |
| | Ocean Range Averaging Status, Ice Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_220171106T111211_20171106T120145_C001 | Ocean Range Averaging Status, Ice Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one or more records. |

| CS_OFFL_SIR_GOP_220171106T120145_20171106T125124_C001 | Ocean Range Averaging Status, Ice Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one or more records. |
|--|---|--|
| CS_OFFL_SIR_GOP_220171106T125124_20171106T134059_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220171106T134059_20171106T143038_C001 | Ocean Range Averaging Status, Ice Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_220171106T143038_20171106T152012_C001 | Ocean Range Averaging Status, Ice Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_220171106T152012_20171106T160951_C001 | Ocean Range Averaging Status, Ice Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_220171106T160951_20171106T165926_C001 | Ocean Range Averaging Status, Ice Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_220171106T165926_20171106T174905_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220171106T174905_20171106T183839_C001 | Ocean Range Averaging Status, Ice Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_220171106T183839_20171106T192818_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220171106T192818_20171106T201753_C001 | Ocean Range Averaging Status, Ice Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_220171106T201753_20171106T210732_C001 | Ocean Range Averaging Status, Ice Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_220171106T210732_20171106T215707_C001 | Ocean Range Averaging Status, Ice Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_220171106T215707_20171106T224646_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T224646_20171106T233620_C001 | Ocean Range Averaging Status, Ice Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one or more records. |

6.7 P2P SWH and Backscatter Measurement Check

CryoSat P2P data includes a SWH Averaging Status flag and an Ocean and Ice Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are three common status flags raised in the P2P 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.

SWH Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 19

| Product | Test Failed | Description |
|--|--|---|
| CS_OFFL_SIR_GOP_2_20171106T075343_20171106T084318_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T084318_20171106T093257_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T093257_20171106T102232_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T102232_20171106T111211_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T111211_20171106T120145_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T120145_20171106T125124_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T125124_20171106T134059_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T134059_20171106T143038_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T143038_20171106T152012_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T152012_20171106T160951_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T160951_20171106T165926_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T165926_20171106T174905_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T174905_20171106T183839_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T183839_20171106T192818_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T192818_20171106T201753_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T201753_20171106T210732_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T210732_20171106T215707_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T215707_20171106T224646_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T224646_20171106T233620_C001 | SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. |

6.8 P2P Ocean Retracking Quality Check

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

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Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

| Product | Test Failed | Description |
|--|-------------------------------|---|
| CS_OFFL_SIR_GOP_220171106T075343_20171106T084318_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T084318_20171106T093257_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T093257_20171106T102232_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T102232_20171106T111211_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T111211_20171106T120145_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T120145_20171106T125124_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T125124_20171106T134059_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T143038_20171106T152012_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T152012_20171106T160951_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T160951_20171106T165926_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T165926_20171106T174905_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T183839_20171106T192818_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T192818_20171106T201753_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T201753_20171106T210732_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20171106T210732_20171106T215707_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220171106T215707_20171106T224646_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220171106T224646_20171106T233620_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |