

IDEAS+ Daily Report for GOP data:

30/05/2018



| CRYDSAT | | | | A CONTRACTOR |
|------------------------|----------------------------------|--|------------------------------|--------------------------------------|
| | | 1. Overview | | |
| | | | | |
| Report Production: | 02-Jul-2018 | Check | L1 & L2 | P2P |
| | | Server check: science-pds.cryosat.esa.int | Nominal | Nominal |
| Processor Used: | CryoSat Ocean Processor | Server check: calval-pds.cryosat.esa.int | Nominal | Nominal |
| | | Product Software Check | Nominal | Nominal |
| Data Used: | Geophysical Ocean Products (GOP) | Product Format Check | Nominal | Nominal |
| | 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 and 5.5 | See Section 6.5 |
| | | 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 |
| sion / Instrument New | s | | | |
| 9-May-2018 None | | | | |
| 0-May-2018 None | | | | |
| 1-May-2018 Nothing pla | anned | | | |
| | | | | |
| | | 2. Global Coverage | | |
| | | | | |
| | 135 | | | lode Coverage LRM SAR SARIn |

3. Instrument Configuration

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

SIRAL instrument(s) in use:

) 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

| 4.3 L1B Auxilary Data File Usage Check | | |
|---|---|--|
| Each product is checked for missing Data Set Descriptors with respect to a pre | e-determined baseline and also to check | the validity of Auxiliary Data Files is correct. |
| Number of products with errors: 0 | | |
| 4.4 L1B Auxiliary Correction Error Check | | |
| CryoSat L1B data includes a correction error flag for each measurement record | d. The bit value of this flag indicates any | problems when set. |
| Number of products with errors: 0 | | |
| 4.5 L1B Measurement Confidence Data Check | | |
| | | |
| CryoSat L1B data includes a measurement confidence flag for each measurem | - | |
| Attitude Correction Missing: This flag is currently set in error for GOPR prod Number of products with errors: 1 | ucts due to a configuration issue. This is | s being investigated and will be updated in the next SW update. |
| | | |
| Product CS_OFFL_SIR_GOPM1B_20180530T053323_20180530T054610_C001 | Test Failed Power scaling error | Description 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 | I. The bit value of this flag indicates any | problems when set. |
| Loss of Echo Flag: This flag is currently set for some products over land, but | | |
| Number of products with errors: 9 | | |
| Product | Test Failed | Description |
| CS_OFFL_SIR_GOPM1B_20180530T030218_20180530T033547_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPM1B_20180530T045957_20180530T051520_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPM1B_20180530T062749_20180530T063815_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPN1B_20180530T005919_20180530T010108_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPN1B_20180530T074454_20180530T074925_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPN1B_20180530T130437_20180530T130452_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPR1B_20180530T005843_20180530T005919_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPR1B_20180530T010444_20180530T010800_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| CS_OFFL_SIR_GOPR1B_20180530T060609_20180530T060820_C001 | Loss of Echo | The tracking echo is missing for one or more records |
| 5 60 | OP Level 2 Data Quality | / Check |
| | | |
| 5.1 L2 Product Format Check | | |
| Each product, retrieved and unpacked from the science server, is checked to e | ensure it consists of both an XML heade | r file (.HDR) and a binary product file (.DBL). |
| Number of products with errors: 0 | | |
| 5.2 L2 Product Header Analysis | | |
| For all products, a series of pre-defined checks are performed on the MPH and | SPH in order to identify any inconsister | ncies and/or errors raised by the ground-segment processing chain |
| Number of products with errors: 0 | | nois analor chors raised by the ground-segment processing chain. |
| | | |
| 5.3 L2 Auxiliary Data File Usage Check | | |
| Each product is checked for missing Data Set Descriptors with respect to a pre- | e-determined baseline and also to check | the validity of Auxiliary Data Files is correct. |
| Number of products with errors: 0 | | |
| 5.4 L2 Auxiliary Correction Error Check | | |
| · | advad far the default array value (22767) | |
| For all products, the auxiliary corrections within the Geophysical Group are che 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 meas | surement record. The bit value of this fla | g indicates any problems when set. |
| Number of products with errors: 1 | | |
| Product | Test Failed | Description |
| CS_OFFL_SIR_GOPM_2_20180530T053323_20180530T054610_C001 | Power scaling error | There is an error in the scaling of the L2 waveform for one or more record |
| 5.6 L2 Range Measurement Check | | |
| CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for e | ach 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 produc | | |
| table highlighting any additional issues which may arise from this test. | and and expected due to sullable | - , per an common huge are summarised in the list below, followed by d |
| Ocean Range Averaging Status Flag: This flag is currently set for products of | ver land and sea ice, but this is to be ex | pected. |
| Ice Range Averaging Status Flag: This flag is currently set for products over | land, but this is to be expected. | |
| Number of products with errors: 84 | | |
| | | |
| Product | Test Failed | Description |
| Product CS_OFFL_SIR_GOPM_2_20180529T234512_20180530T001748_C001 | Test Failed Ocean Range Averaging Status | Description The Ocean Range Averaging Status Flag has been set for one or more records. |

Ice Range Averaging Status

Ocean Range Averaging Status

CS_OFFL_SIR_GOPM_2_20180530T002434_20180530T003007_C001

CS_OFFL_SIR_GOPM_2_20180530T003226_20180530T003752_C001

The loc Range Averaging Status Flag has been set for one or more records.

The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20180530T010904_20180530T011047_C001 CS OFFL SIR GOPM 2 20180530T012403 20180530T015723 C001 CS_OFFL_SIR_GOPM_2_20180530T020337_20180530T020848_C001 CS_OFFL_SIR_GOPM_2_20180530T021151_20180530T023031_C001 CS_OFFL_SIR_GOPM_2_20180530T030218_20180530T033547_C001 CS_OFFL_SIR_GOPM_2_20180530T034025_20180530T034335_C001 CS OFFL SIR GOPM 2 20180530T034342 20180530T034349 C001 CS OFFL SIR GOPM 2 20180530T034353 20180530T034750 C001 CS_OFFL_SIR_GOPM_2_20180530T035207_20180530T041853_C001 CS_OFFL_SIR_GOPM_2_20180530T041909_20180530T042612_C001 CS OFFL SIR GOPM 2 20180530T042748 20180530T043019 C001 CS_OFFL_SIR_GOPM_2_20180530T044226_20180530T045315_C001 CS OFFL SIR GOPM 2 20180530T045756 20180530T045953 C001 CS_OFFL_SIR_GOPM_2_20180530T045957_20180530T051520_C001 CS_OFFL_SIR_GOPM_2_20180530T051717_20180530T052234_C001 CS OFFL SIR GOPM 2 20180530T053323 20180530T054610 C001 CS_OFFL_SIR_GOPM_2_20180530T054824_20180530T060128_C001 CS_OFFL_SIR_GOPM_2_20180530T060259_20180530T060513_C001 CS_OFFL_SIR_GOPM_2_20180530T062749_20180530T063815_C001 CS_OFFL_SIR_GOPM_2_20180530T063955_20180530T065406_C001 CS_OFFL_SIR_GOPM_2_20180530T065642_20180530T070145_C001 CS OFFL SIR GOPM 2 20180530T070209 20180530T070324 C001 CS_OFFL_SIR_GOPM_2_20180530T071951_20180530T072200_C001 CS OFFL SIR GOPM 2 20180530T072738 20180530T073202 C001 CS OFFL SIR GOPM 2 20180530T073325 20180530T074027 C001 CS OFFL SIR GOPM 2 20180530T081207 20180530T081428 C001 CS_OFFL_SIR_GOPM_2_20180530T081630_20180530T083252_C001 CS_OFFL_SIR_GOPM_2_20180530T083646_20180530T084101_C001 CS_OFFL_SIR_GOPM_2_20180530T084739_20180530T092157_C001 CS OFFL SIR GOPM 2 20180530T094748 20180530T101245 C001 CS_OFFL_SIR_GOPM_2_20180530T101453_20180530T102015_C001 CS_OFFL_SIR_GOPM_2_20180530T102022_20180530T102346_C001 CS_OFFL_SIR_GOPM_2_20180530T102717_20180530T103814_C001 CS_OFFL_SIR_GOPM_2_20180530T104351_20180530T105914_C001 CS_OFFL_SIR_GOPM_2_20180530T112247_20180530T114600_C001 CS OFFL SIR GOPM 2 20180530T114636 20180530T115225 C001 CS_OFFL_SIR_GOPM_2_20180530T115446_20180530T120253_C001 CS OFFL SIR GOPM 2 20180530T120633 20180530T124021 C001 CS OFFL SIR GOPM 2 20180530T131841 20180530T132305 C001 CS_OFFL_SIR_GOPM_2_20180530T132355_20180530T133114_C001 CS_OFFL_SIR_GOPM_2_20180530T133424_20180530T133941_C001 CS OFFL SIR GOPM 2 20180530T134619 20180530T140751 C001 CS_OFFL_SIR_GOPM_2_20180530T141038_20180530T141950_C001 CS_OFFL_SIR_GOPM_2_20180530T143155_20180530T143614_C001 CS_OFFL_SIR_GOPM_2_20180530T145204_20180530T145647_C001 CS_OFFL_SIR_GOPM_2_20180530T145835_20180530T150946_C001 CS OFFL SIR GOPM 2 20180530T151534 20180530T151841 C001 CS_OFFL_SIR_GOPM_2_20180530T152537_20180530T153037_C001 CS_OFFL_SIR_GOPM_2_20180530T153040_20180530T155841_C001 CS OFFL SIR GOPM 2 20180530T161502 20180530T162200 C001 CS_OFFL_SIR_GOPM_2_20180530T162218_20180530T164620_C001 Ocean Range Averaging Status Ocean Range 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| CS_OFFL_SIR_GOPM_2_20180530T165554_20180530T165747_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
|---|------------------------------|--|
| CS_OFFL_SIR_GOPM_2_20180530T170024_20180530T170229_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T170449_20180530T172210_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T172347_20180530T173339_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T175521_20180530T181055_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T181714_20180530T182854_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T183731_20180530T184154_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T184421_20180530T185837_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T190017_20180530T191514_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T193711_20180530T194421_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T194544_20180530T195056_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T195248_20180530T200920_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T201222_20180530T202106_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T202338_20180530T204543_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T212511_20180530T214810_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T215431_20180530T215859_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T220303_20180530T222735_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T225623_20180530T231049_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T231626_20180530T232717_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T233347_20180530T233936_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T234120_20180530T235625_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20180530T052453_20180530T052644_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20180530T183703_20180530T183731_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20180530T215328_20180530T215431_C001 | Ice Range Averaging Status | The Ice Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20180530T003123_20180530T003225_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20180530T005843_20180530T005919_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20180530T110439_20180530T111217_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20180530T111240_20180530T111356_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20180530T214811_20180530T215018_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20180530T234102_20180530T234120_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. 82

| Product | Test Failed | Description |
|---|---|--|
| CS_OFFL_SIR_GOPM_2_20180529T234512_20180530T001748_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_20180530T002434_20180530T003007_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T003226_20180530T003752_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_20180530T010904_20180530T011047_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_20180530T012403_20180530T015723_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_20180530T020337_20180530T020848_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T021151_20180530T023031_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_20180530T030218_20180530T033547_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_20180530T034025_20180530T034335_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T034342_20180530T034349_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T034353_20180530T034750_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T035207_20180530T041853_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_20180530T041909_20180530T042612_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_20180530T042748_20180530T043019_C001 CS OFFL SIR GOPM 2 20180530T044226 20180530T045315 C001 CS_OFFL_SIR_GOPM_2_20180530T045957_20180530T051520_C001 CS_OFFL_SIR_GOPM_2_20180530T051717_20180530T052234_C001 CS_OFFL_SIR_GOPM_2_20180530T054824_20180530T060128_C001 CS_OFFL_SIR_GOPM_2_20180530T060259_20180530T060513_C001 CS OFFL SIR GOPM 2 20180530T062749 20180530T063815 C001 CS OFFL SIR GOPM 2 20180530T063955 20180530T065406 C001 CS_OFFL_SIR_GOPM_2_20180530T065642_20180530T070145_C001 CS_OFFL_SIR_GOPM_2_20180530T070209_20180530T070324_C001 CS_OFFL_SIR_GOPM_2_20180530T071951_20180530T072200_C001 CS_OFFL_SIR_GOPM_2_20180530T072738_20180530T073202_C001 CS OFFL SIR GOPM 2 20180530T073325 20180530T074027 C001 CS_OFFL_SIR_GOPM_2_20180530T081630_20180530T083252_C001 CS_OFFL_SIR_GOPM_2_20180530T083646_20180530T084101_C001 CS OFFL SIR GOPM 2 20180530T084739 20180530T092157 C001 CS_OFFL_SIR_GOPM_2_20180530T094748_20180530T101245_C001 CS_OFFL_SIR_GOPM_2_20180530T101453_20180530T102015_C001 CS_OFFL_SIR_GOPM_2_20180530T102022_20180530T102346_C001 CS_OFFL_SIR_GOPM_2_20180530T102717_20180530T103814_C001 CS_OFFL_SIR_GOPM_2_20180530T104351_20180530T105914_C001 CS OFFL SIR GOPM 2 20180530T112247 20180530T114600 C001 CS_OFFL_SIR_GOPM_2_20180530T114636_20180530T115225_C001 CS OFFL SIR GOPM 2 20180530T115446 20180530T120253 C001 CS OFFL SIR GOPM 2 20180530T120633 20180530T124021 C001 CS OFFL SIR GOPM 2 20180530T131841 20180530T132305 C001 CS_OFFL_SIR_GOPM_2_20180530T132355_20180530T133114_C001 CS_OFFL_SIR_GOPM_2_20180530T133424_20180530T133941_C001 CS_OFFL_SIR_GOPM_2_20180530T134619_20180530T140751_C001 CS OFFL SIR GOPM 2 20180530T141038 20180530T141950 C001 CS_OFFL_SIR_GOPM_2_20180530T143155_20180530T143614_C001 CS_OFFL_SIR_GOPM_2_20180530T145204_20180530T145647_C001 CS OFFL SIR GOPM 2 20180530T145835 20180530T150946 C001 CS_OFFL_SIR_GOPM_2_20180530T151534_20180530T151841_C001 CS_OFFL_SIR_GOPM_2_20180530T152537_20180530T153037_C001 CS OFFL SIR GOPM 2 20180530T153040 20180530T155841 C001 CS_OFFL_SIR_GOPM_2_20180530T161502_20180530T162200_C001 CS OFFL SIR GOPM 2 20180530T162218 20180530T164620 C001 CS OFFL SIR GOPM 2 20180530T165554 20180530T165747 C001 CS_OFFL_SIR_GOPM_2_20180530T170024_20180530T170229_C001 CS_OFFL_SIR_GOPM_2_20180530T170449_20180530T172210_C001 CS OFFL SIR GOPM 2 20180530T172347 20180530T173339 C001 CS_OFFL_SIR_GOPM_2_20180530T174949_20180530T175358_C001 CS OFFL SIR GOPM 2 20180530T175521 20180530T181055 C001 CS_OFFL_SIR_GOPM_2_20180530T181714_20180530T182854_C001 CS_OFFL_SIR_GOPM_2_20180530T183731_20180530T184154_C001 CS OFFL SIR GOPM 2 20180530T184421 20180530T185837 C001 CS_OFFL_SIR_GOPM_2_20180530T190017_20180530T191514_C001 CS_OFFL_SIR_GOPM_2_20180530T193711_20180530T194421_C001 CS OFFL SIR GOPM 2 20180530T194544 20180530T195056 C001 CS_OFFL_SIR_GOPM_2_20180530T195248_20180530T200920_C001 Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean

Backscatter Averaging Status

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Ice Backscatter Averaging Status

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Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records. The Ice Backscatter Averaging Status Flag has been set for one or more

records. The SWH and Ocean Averaging Status Flags have been set for one or

more records. The SWH and Ocean Averaging Status Flags have been set for one or

more records. The SWH and Ocean Averaging Status Flags have been set for one or

more records. The SWH and Ocean Averaging Status Flags have been set for one or

more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

| CS_OFFL_SIR_GOPM_2_20180530T201222_20180530T202106_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
|---|---|--|
| CS_OFFL_SIR_GOPM_2_20180530T202338_20180530T204543_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_20180530T212511_20180530T214810_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_20180530T215431_20180530T215859_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T220303_20180530T222735_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_20180530T225623_20180530T231049_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_20180530T231626_20180530T232717_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_20180530T233347_20180530T233936_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPM_2_20180530T234120_20180530T235625_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_20180530T052453_20180530T052644_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_20180530T183703_20180530T183731_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPN_2_20180530T215328_20180530T215431_C001 | Ice Backscatter Averaging Status | The Ice Backscatter Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOPR_2_20180530T003123_20180530T003225_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_20180530T005843_20180530T005919_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_20180530T110439_20180530T111217_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_20180530T111240_20180530T111356_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_20180530T214811_20180530T215018_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_20180530T234102_20180530T234120_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. 67

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.

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). Number of products with errors:

1

0

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:

| Product | Test Failed | Description |
|--|---------------------|---|
| CS_OFFL_SIR_GOP_2_20180530T052251_20180530T061229_C001 | Power scaling error | There is an error in the scaling of the L2 waveform for one or more records |
| | | |

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. 30

| Product | Test Failed | Description |
|--|---|--|
| CS_OFFL_SIR_GOP_220180529T233535_20180530T002510_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20180530T002510_20180530T011448_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_20180530T011448_20180530T020424_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_20180530T020424_20180530T025402_C001 | | The Ocean and Ice Range Averaging Status Flags have been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20180530T025402_20180530T034337_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_220180530T034337_20180530T043315_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_220180530T043315_20180530T052251_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_220180530T052251_20180530T061229_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_220180530T061229_20180530T070204_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_220180530T070204_20180530T075142_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_220180530T075142_20180530T084118_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_220180530T084118_20180530T093056_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220180530T093056_20180530T102032_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_220180530T102032_20180530T111010_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220180530T111010_20180530T115945_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_220180530T115945_20180530T124923_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_220180530T124923_20180530T133859_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_220180530T133859_20180530T142837_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220180530T142837_20180530T151812_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220180530T151812_20180530T160750_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220180530T160750_20180530T165726_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220180530T165726_20180530T174704_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_220180530T174704_20180530T183639_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_220180530T183639_20180530T192618_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_220180530T192618_20180530T201553_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_220180530T201553_20180530T210531_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_220180530T210531_20180530T215507_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220180530T215507_20180530T224445_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_220180530T224445_20180530T233420_C002 | 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_220180530T233420_20180531T002358_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. 30

| Product | Test Failed | Description |
|--|--|---|
| CS_OFFL_SIR_GOP_220180529T233535_20180530T002510_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_220180530T002510_20180530T011448_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_20180530T011448_20180530T020424_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_220180530T020424_20180530T025402_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_220180530T025402_20180530T034337_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_220180530T034337_20180530T043315_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_220180530T043315_20180530T052251_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_20180530T052251_20180530T061229_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_220180530T061229_20180530T070204_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_20180530T070204_20180530T075142_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_220180530T075142_20180530T084118_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_20180530T084118_20180530T093056_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_220180530T093056_20180530T102032_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_20180530T102032_20180530T111010_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_20180530T111010_20180530T115945_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_20180530T115945_20180530T124923_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_220180530T124923_20180530T133859_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_220180530T133859_20180530T142837_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_20180530T142837_20180530T151812_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_20180530T151812_20180530T160750_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_20180530T160750_20180530T165726_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_20180530T165726_20180530T174704_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_20180530T174704_20180530T183639_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_220180530T183639_20180530T192618_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_220180530T192618_20180530T201553_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_220180530T201553_20180530T210531_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_20180530T210531_20180530T215507_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_220180530T215507_20180530T224445_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_220180530T224445_20180530T233420_C002 | 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_20180530T233420_20180531T002358_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.

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. 28

| Product | Test Failed | Description |
|--|-------------------------------|---|
| CS_OFFL_SIR_GOP_220180529T233535_20180530T002510_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220180530T002510_20180530T011448_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20180530T011448_20180530T020424_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20180530T020424_20180530T025402_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20180530T025402_20180530T034337_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20180530T034337_20180530T043315_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20180530T043315_20180530T052251_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20180530T052251_20180530T061229_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20180530T061229_20180530T070204_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20180530T070204_20180530T075142_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20180530T084118_20180530T093056_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20180530T093056_20180530T102032_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20180530T111010_20180530T115945_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20180530T115945_20180530T124923_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20180530T124923_20180530T133859_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20180530T133859_20180530T142837_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_2_20180530T142837_20180530T151812_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220180530T151812_20180530T160750_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220180530T160750_20180530T165726_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220180530T165726_20180530T174704_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220180530T174704_20180530T183639_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| | | |

| CS_OFFL_SIR_GOP_220180530T183639_20180530T192618_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
|---|-------------------------------|---|
| CS_OFFL_SIR_GOP_220180530T192618_20180530T201553_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220180530T201553_20180530T210531_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220180530T210531_20180530T215507_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220180530T215507_20180530T224445_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220180530T224445_20180530T233420_C002 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |
| CS_OFFL_SIR_GOP_220180530T233420_20180531T002358_C001 | Ocean Retracking Quality Flag | The Ocean Retracking Quality Flag has been set for one or more records. |