

# IDEAS+ Daily Report for GOP data:

# <u>01/02/2018</u>



|   |                                  | 1. Overview                 |                 |                      |                      |
|---|----------------------------------|-----------------------------|-----------------|----------------------|----------------------|
|   |                                  | Check                       |                 | L1 & L2              | P2P                  |
| Report Production:  | 02-Mar-2018                      | Server check: science-pds.  | cryosat.esa.int | Nominal              | Nominal              |
| Processor Used:   | CrueSat Ocean Breeseer           | Server check: calval-pds.c  |                 | Nominal              | Nominal              |
| Processor Usea:   | CryoSat Ocean Processor          | Product Software C          |                 | Nominal              | Nominal              |
| Data Used:  | Geophysical Ocean Products (GOP) | Product Format C            | heck            | Nominal              | Nominal              |
| Data Useu.  | L1B, L2 & P2P Science Data       | Product Header An           | alysis          | Nominal              | Nominal              |
|   |                                  | Auxiliary Data File Usa     | ge Check        | Nominal              | Nominal              |
|   |                                  | Auxiliary Correction Err    | or Check        | Nominal              | Nominal              |
|   |                                  | Measurement Confidence      |                 | See Section 4.6      | Nominal              |
|   |                                  | Range, SWH & Backscatter Me |                 | See Section 5.6, 5.7 | See Section 6.6, 6.7 |
|   |                                  | Ocean Retracking Qua        | lity Check      | See Section 5.8      | See Section 6.8      |
| lission / Instrument N<br>31-Jan-2018 None<br>01-Feb-2018 None<br>02-Feb-2018 Nothing | planned                          |                             |                 |                      |                      |
|   |                                  | 2. Global Covera            | age             |                      |                      |
|   |                                  |                             |                 |                      |                      |
|   | -135                             |                             |                 |                      | Mode Coverage        |

# 3. Instrument Configuration

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

SIRAL instrument(s) in use:

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

| I.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 recor   | d. The bit value of this flag indica  | tes any problems when set.   |
| Number of products with errors: 0  |                                       |  |
| I.5 L1B Measurement Confidence Data Check  |                                       |  |
|  | contracend. The hit value of this     |  |
| ryoSat L1B data includes a measurement confidence flag for each measurem   |                                       | ag indicates any problems when set.  |
| lumber of products with errors: 0  |                                       |  |
| .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 indicat | es any problems when set.  |
| .oss of Echo Flag: This flag is currently set for products over land, but this is  | to be expected.                       |  |
| lumber of products with errors: 20   |                                       |  |
| Product  | Test Failed                           | Description  |
| S_OFFL_SIR_GOPM1B_20180201T122150_20180201T123701_C001   | Loss of Echo                          | The tracking echo is missing for one or more records   |
| S_OFFL_SIR_GOPM1B_20180201T152944_20180201T155549_C001   | Loss of Echo                          | The tracking echo is missing for one or more records   |
| S_OFFL_SIR_GOPN1B_20180201T002151_20180201T002302_C001   | Loss of Echo                          | The tracking echo is missing for one or more records   |
| S_OFFL_SIR_GOPN1B_20180201T010345_20180201T010724_C001   | Loss of Echo                          | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_GOPN1B_20180201T020110_20180201T020335_C001  | Loss of Echo                          | The tracking echo is missing for one or more records   |
| CS_OFFL_SIR_GOPN1B_20180201T033447_20180201T033503_C001  | Loss of Echo                          | The tracking echo is missing for one or more records   |
| S_OFFL_SIR_GOPN1B_20180201T043217_20180201T043506_C001   | Loss of Echo                          | The tracking echo is missing for one or more records   |
| S_OFFL_SIR_GOPN1B_20180201T052312_20180201T052800_C001   | Loss of Echo                          | The tracking echo is missing for one or more records   |
| S_OFFL_SIR_GOPN1B_20180201T064143_20180201T064342_C001   | Loss of Echo                          | The tracking echo is missing for one or more records   |
| S_OFFL_SIR_GOPN1B_20180201T114940_20180201T115315_C001   | Loss of Echo                          | The tracking echo is missing for one or more records   |
| S_OFFL_SIR_GOPN1B_20180201T131431_20180201T131554_C001   | Loss of Echo                          | The tracking echo is missing for one or more records   |
| S_OFFL_SIR_GOPN1B_20180201T201342_20180201T201414_C001   | Loss of Echo                          | The tracking echo is missing for one or more records   |
| S_OFFL_SIR_GOPR1B_20180201T033635_20180201T034104_C001   | Loss of Echo                          | The tracking echo is missing for one or more records   |
| S_OFFL_SIR_GOPR1B_20180201T082125_20180201T082204_C001   | Loss of Echo                          | The tracking echo is missing for one or more records   |
| S_OFFL_SIR_GOPR1B_20180201T084230_20180201T084437_C001   | Loss of Echo                          | The tracking echo is missing for one or more records<br>The tracking echo is missing for one or more records |
| S_OFFL_SIR_GOPR1B_20180201T110917_20180201T111343_C001<br>S OFFL SIR GOPR1B 20180201T132429 20180201T132648 C001                                     | Loss of Echo<br>Loss of Echo          | The tracking echo is missing for one or more records   |
| S_OFFL_SIR_GOPR1B_20180201T160736_20180201T160848_C001   | Loss of Echo                          | The tracking echo is missing for one or more records   |
| S_OFFL_SIR_GOPR1B_20180201T174640_20180201T174913_C001   | Loss of Echo                          | The tracking echo is missing for one or more records   |
| S_OFFL_SIR_GOPR1B_20180201T214040_20180201T214229_C001   | Loss of Echo                          | The tracking echo is missing for one or more records   |
|  |                                       |  |
| 5. 61  | OP Level 2 Data Qu                    |  |
| 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     | header file (.HDR) and a binary product file (.DBL).   |
| lumber of products with errors: 0  |                                       |  |
| 5.2 L2 Product Header Analysis   |                                       |  |
| or all products, a series of pre-defined checks are performed on the MPH and   | d SPH in order to identify any inc    | ponsistencies and/or errors raised by the ground-segment processing chain.                                   |
| lumber of products with errors: 0  |                                       | ······································   |
|  |                                       |  |
| 5.3 L2 Auxiliary Data File Usage Check   |                                       |  |
| ach 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.   |
| umber of products with errors: 0   |                                       |  |
| .4 L2 Auxiliary Correction Error Check   |                                       |  |
| or all products, the auxiliary corrections within the Geophysical Group are che  | ecked for the default error value (   | 32767).  |
|  |                                       |  |
| Number of products with errors: 0  |                                       |  |
|  |                                       |  |
| Aumber of products with errors: 0 5.5 L2 Measurement Confidence Data Check CryoSat L2 data includes a measurement confidence flag for each 20-Hz mea | surgment 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. 74

| Product  | Test Failed   | Description  |
|--|---|--|
| CS_OFFL_SIR_GOPM_2_20180131T235529_20180201T000452_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more records.                |
| CS_OFFL_SIR_GOPM_2_20180201T002748_20180201T002906_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more records.                |
| CS_OFFL_SIR_GOPM_2_20180201T003233_20180201T004415_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more<br>records.             |
| CS_OFFL_SIR_GOPM_2_20180201T010724_20180201T011511_C001  | Ice Range Averaging Status                                | The Ice Range Averaging Status Flag has been set for one or more                           |
| CS_OFFL_SIR_GOPM_2_20180201T011727_20180201T013232_C001  | Ocean Range Averaging Status                              | records.<br>The Ocean Range Averaging Status Flag has been set for one or more             |
| CS_OFFL_SIR_GOPM_2_20180201T021033_20180201T024313_C001  | Ocean Range Averaging Status                              | records.<br>The Ocean Range Averaging Status Flag has been set for one or more             |
|  |   | records.<br>The Ice Range Averaging Status Flag has been set for one or more               |
| CS_OFFL_SIR_GOPM_2_20180201T024545_20180201T024759_C001  | Ice Range Averaging Status                                | records.<br>The Ice Range Averaging Status Flag has been set for one or more               |
| CS_OFFL_SIR_GOPM_2_20180201T024812_20180201T025404_C001  | Ice Range Averaging Status                                | records.<br>The Ocean Range Averaging Status Flag has been set for one or more             |
| CS_OFFL_SIR_GOPM_2_20180201T025638_20180201T032218_C001  | Ocean Range Averaging Status                              | records.<br>The Ocean Range Averaging Status Flag has been set for one or more             |
| CS_OFFL_SIR_GOPM_2_20180201T035335_20180201T040455_C001  | Ocean Range Averaging Status                              | records.<br>The Ocean Range Averaging Status Flag has been set for one or more             |
| CS_OFFL_SIR_GOPM_2_20180201T041031_20180201T042119_C001  | Ocean Range Averaging Status                              | records.   |
| CS_OFFL_SIR_GOPM_2_20180201T042755_20180201T043216_C001  | Ice Range Averaging Status                                | The Ice Range Averaging Status Flag has been set for one or more records.                  |
| CS_OFFL_SIR_GOPM_2_20180201T043532_20180201T050216_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more records.                |
| CS_OFFL_SIR_GOPM_2_20180201T052800_20180201T054408_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more records.                |
| CS_OFFL_SIR_GOPM_2_20180201T054418_20180201T060037_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more records.                |
| CS_OFFL_SIR_GOPM_2_20180201T060706_20180201T061244_C001  | Ice Range Averaging Status                                | The Ice Range Averaging Status Flag has been set for one or more records.                  |
| CS_OFFL_SIR_GOPM_2_20180201T061419_20180201T062026_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more records.                |
| CS_OFFL_SIR_GOPM_2_20180201T065141_20180201T065302_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more records.                |
| CS_OFFL_SIR_GOPM_2_20180201T070627_20180201T074032_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more records.                |
| CS_OFFL_SIR_GOPM_2_20180201T074609_20180201T075121_C001  | Ice Range Averaging Status                                | The Ice Range Averaging Status Flag has been set for one or more records.                  |
| CS_OFFL_SIR_GOPM_2_20180201T075317_20180201T081304_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more                         |
| CS_OFFL_SIR_GOPM_2_20180201T084438_20180201T091831_C001  | Ocean Range Averaging Status                              | records.<br>The Ocean Range Averaging Status Flag has been set for one or more             |
|  | Ice Range Averaging Status                                | records.<br>The Ice Range Averaging Status Flag has been set for one or more               |
| CS_OFFL_SIR_GOPM_2_20180201T093218_20180201T093304_C001  | Ocean Range Averaging Status                              | records.<br>The Ocean Range Averaging Status Flag has been set for one or more             |
| CS_OFFL_SIR_GOPM_2_20180201T093403_20180201T003004_20001 |   | records.<br>The Ocean Range Averaging Status Flag has been set for one or more             |
|  | Ocean Range Averaging Status                              | records.<br>The Ocean Range Averaging Status Flag has been set for one or more             |
| CS_OFFL_SIR_GOPM_2_20180201T100123_20180201T100847_C001  | Ocean Range Averaging Status                              | records.<br>The Ocean Range Averaging Status Flag has been set for one or more             |
| CS_OFFL_SIR_GOPM_2_20180201T102524_20180201T103546_C001  | Ocean Range Averaging Status                              | records.<br>The Ocean Range Averaging Status Flag has been set for one or more             |
| CS_OFFL_SIR_GOPM_2_20180201T104217_20180201T105807_C001  | Ocean Range Averaging Status                              | records.<br>The Ice Range Averaging Status Flag has been set for one or more               |
| CS_OFFL_SIR_GOPM_2_20180201T105948_20180201T110507_C001  | Ice Range Averaging Status                                | records.<br>The Ocean Range Averaging Status Flag has been set for one or more             |
| CS_OFFL_SIR_GOPM_2_20180201T111614_20180201T112841_C001  | Ocean Range Averaging Status                              | records.   |
| CS_OFFL_SIR_GOPM_2_20180201T113052_20180201T114339_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more records.                |
| CS_OFFL_SIR_GOPM_2_20180201T114501_20180201T114740_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more records.                |
| CS_OFFL_SIR_GOPM_2_20180201T121017_20180201T121948_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more records.                |
| CS_OFFL_SIR_GOPM_2_20180201T122150_20180201T123701_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more records.                |
| CS_OFFL_SIR_GOPM_2_20180201T123913_20180201T124418_C001  | Ice Range Averaging Status                                | The Ice Range Averaging Status Flag has been set for one or more records.                  |
| CS_OFFL_SIR_GOPM_2_20180201T125209_20180201T125411_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more records.                |
| CS_OFFL_SIR_GOPM_2_20180201T131008_20180201T131431_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more records.                |
| CS_OFFL_SIR_GOPM_2_20180201T131554_20180201T131948_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more<br>records.             |
| CS_OFFL_SIR_GOPM_2_20180201T135938_20180201T141613_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more records.                |
| CS_OFFL_SIR_GOPM_2_20180201T141902_20180201T142334_C001  | Ice Range Averaging Status                                | The Ice Range Averaging Status Flag has been set for one or more<br>records.               |
| CS_OFFL_SIR_GOPM_2_20180201T142948_20180201T145518_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more<br>records.             |
| CS_OFFL_SIR_GOPM_2_20180201T152944_20180201T155549_C001  | Ocean Range Averaging Status                              | The Ocean Range Averaging Status Flag has been set for one or more<br>records.             |
| CS_OFFL_SIR_GOPM_2_20180201T155729_20180201T160235_C001  | Ice Range Averaging Status                                | The Ice Range Averaging Status Flag has been set for one or more                           |
|  | Ocean Range Averaging Status                              | records.<br>The Ocean Range Averaging Status Flag has been set for one or more<br>records. |
| CS_OFFL_SIR_GOPM_2_20180201T162622_20180201T164121_C001  | Ocean Range Averaging Status                              | records.<br>The Ocean Range Averaging Status Flag has been set for one or more             |
| CS_OFFL_SIR_GOPM_2_20180201T170827_20180201T173528_C001  | Ocean Range Averaging Status                              | records.<br>The Ocean Range Averaging Status Flag has been set for one or more             |
| CS_OFFL_SIR_GOPM_2_201802011173712_201802011173525_C001  |   | records.<br>The Ice Range Averaging Status Flag has been set for one or more               |
|  | Ice Range Averaging Status                                | records.<br>The Ice Range Averaging Status Flag has been set for one or more               |
| CS_OFFL_SIR_GOPM_2_20180201T174152_20180201T174524_C001  | Ice Range Averaging Status                                | records.<br>The Ocean Range Averaging Status Flag has been set for one or more             |
| CS OFFL SIR GOPM 2 20180201T174913 20180201T182304 C001  |   |  |
| CS OFFL SIR GOPM 2 20180201T190706 20180201T191002 C001  | Ocean Range Averaging Status Ocean Range Averaging Status | records.<br>The Ocean Range Averaging Status Flag has been set for one or more             |

| CS_OFFL_SIR_GOPM_2_20180201T191201_20180201T191456_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records.    |
|---|------------------------------|--|
| CS_OFFL_SIR_GOPM_2_20180201T191654_20180201T192214_C001 | Ice Range Averaging Status   | The Ice Range Averaging Status Flag has been set for one or more<br>records.   |
| CS_OFFL_SIR_GOPM_2_20180201T192757_20180201T195022_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records.    |
| CS_OFFL_SIR_GOPM_2_20180201T195307_20180201T200232_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more<br>records. |
| CS_OFFL_SIR_GOPM_2_20180201T201445_20180201T201836_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records.    |
| CS_OFFL_SIR_GOPM_2_20180201T203430_20180201T203918_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more<br>records. |
| CS_OFFL_SIR_GOPM_2_20180201T204105_20180201T205250_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more<br>records. |
| CS_OFFL_SIR_GOPM_2_20180201T205316_20180201T205423_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more<br>records. |
| CS_OFFL_SIR_GOPM_2_20180201T205724_20180201T210114_C001 | Ice Range Averaging Status   | The Ice Range Averaging Status Flag has been set for one or more<br>records.   |
| CS_OFFL_SIR_GOPM_2_20180201T210732_20180201T211317_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more<br>records. |
| CS_OFFL_SIR_GOPM_2_20180201T211326_20180201T213915_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more<br>records. |
| CS_OFFL_SIR_GOPM_2_20180201T215803_20180201T222853_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more<br>records. |
| CS_OFFL_SIR_GOPM_2_20180201T223826_20180201T224019_C001 | Ice Range Averaging Status   | The Ice Range Averaging Status Flag has been set for one or more<br>records.   |
| CS_OFFL_SIR_GOPM_2_20180201T224652_20180201T230440_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more<br>records. |
| CS_OFFL_SIR_GOPM_2_20180201T230920_20180201T231622_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more<br>records. |
| CS_OFFL_SIR_GOPM_2_20180201T233220_20180201T233608_C001 | Ice Range Averaging Status   | The Ice Range Averaging Status Flag has been set for one or more<br>records.   |
| CS_OFFL_SIR_GOPM_2_20180201T233749_20180201T235325_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records.    |
| CS_OFFL_SIR_GOPN_2_20180201T024355_20180201T024545_C001 | Ice Range Averaging Status   | The Ice Range Averaging Status Flag has been set for one or more<br>records.   |
| CS_OFFL_SIR_GOPN_2_20180201T092005_20180201T092345_C001 | Ice Range Averaging Status   | The Ice Range Averaging Status Flag has been set for one or more<br>records.   |
| CS_OFFL_SIR_GOPR_2_20180201T051036_20180201T051258_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more<br>records. |
| CS_OFFL_SIR_GOPR_2_20180201T060037_20180201T060327_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records.    |
| CS_OFFL_SIR_GOPR_2_20180201T132653_20180201T132745_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more<br>records. |
| CS_OFFL_SIR_GOPR_2_20180201T191002_20180201T191201_C001 | Ocean Range Averaging Status | The Ocean Range Averaging Status Flag has been set for one or more records.    |
| CS_OFFL_SIR_GOPR_2_20180201T230440_20180201T230920_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.

Test Failed

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.

#### Number of products with errors:

Product

Description SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180131T235529\_20180201T000452\_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180201T002748 20180201T002906 C001 Backscatter Averaging Status more records. The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS\_OFFL\_SIR\_GOPM\_2\_20180201T003233\_20180201T004415\_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20180201T010724\_20180201T011511\_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180201T011727 20180201T013232 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180201T021033\_20180201T024313\_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20180201T024545\_20180201T024759\_C001 Ice Backscatter Averaging Status records. The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180201T024812 20180201T025404 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180201T025638\_20180201T032218\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180201T035335 20180201T040455 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180201T041031 20180201T042119 C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS\_OFFL\_SIR\_GOPM\_2\_20180201T042755\_20180201T043216\_C001 Ice Backscatter Averaging Status records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180201T043532\_20180201T050216\_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180201T052800\_20180201T054408\_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180201T054418\_20180201T060037\_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180201T060706 20180201T061244 C001 Ice Backscatter Averaging Status ecords SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180201T061419\_20180201T062026\_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180201T065141\_20180201T065302\_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS\_OFFL\_SIR\_GOPM\_2\_20180201T070627\_20180201T074032\_C001 Backscatter Averaging Status more records.

CS\_OFFL\_SIR\_GOPM\_2\_20180201T074609\_20180201T075121\_C001 CS OFFL SIR GOPM 2 20180201T075317 20180201T081304 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T084438\_20180201T091831\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T092615\_20180201T093026\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T093218\_20180201T093304\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T093403\_20180201T100100\_C001 CS OFFL SIR GOPM 2 20180201T100123 20180201T100847 C001 CS OFFL SIR GOPM 2 20180201T102524 20180201T103546 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T104217\_20180201T105807\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T105948\_20180201T110507\_C001 CS OFFL SIR GOPM 2 20180201T111614 20180201T112841 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T113052\_20180201T114339\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T114501\_20180201T114740\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T121017\_20180201T121948\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T122150\_20180201T123701\_C001 CS OFFL SIR GOPM 2 20180201T123913 20180201T124418 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T124442\_20180201T124558\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T125209\_20180201T125411\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T131008\_20180201T131431\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T131554\_20180201T131948\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T135938\_20180201T141613\_C001 CS OFFL SIR GOPM 2 20180201T141902 20180201T142334 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T142948\_20180201T145518\_C001 CS OFFL SIR GOPM 2 20180201T152944 20180201T155549 C001 CS OFFL SIR GOPM 2 20180201T155729 20180201T160235 C001 CS OFFL SIR GOPM 2 20180201T160848 20180201T162047 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T162622\_20180201T164121\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T170827\_20180201T173528\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T173712\_20180201T174149\_C001 CS OFFL SIR GOPM 2 20180201T174152 20180201T174524 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T174913\_20180201T182304\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T190706\_20180201T191002\_C001 CS OFFL SIR GOPM 2 20180201T191201 20180201T191456 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T191654\_20180201T192214\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T192757\_20180201T195022\_C001 CS OFFL SIR GOPM 2 20180201T195307 20180201T200232 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T201445\_20180201T201836\_C001 CS OFFL SIR GOPM 2 20180201T203430 20180201T203918 C001 CS OFFL SIR GOPM 2 20180201T204105 20180201T205250 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T205316\_20180201T205423\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T205724\_20180201T210114\_C001 CS OFFL SIR GOPM 2 20180201T210732 20180201T211317 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T211326\_20180201T213915\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T215803\_20180201T222853\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T224652\_20180201T230440\_C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T230920\_20180201T231622\_C001 CS OFFL SIR GOPM 2 20180201T233220 20180201T233608 C001 CS\_OFFL\_SIR\_GOPM\_2\_20180201T233749\_20180201T235325\_C001 CS\_OFFL\_SIR\_GOPN\_2\_20180201T024355\_20180201T024545\_C001 CS OFFL SIR GOPN 2 20180201T092005 20180201T092345 C001 CS\_OFFL\_SIR\_GOPR\_2\_20180201T051036\_20180201T051258\_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 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 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

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

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

Ice Backscatter Averaging Status

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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 SWH Averaging Status, Ocean Backscatter Averaging Status

Ice 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 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.

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 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 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 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 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 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.

| CS_OFFL_SIR_GOPR_2_20180201T060037_20180201T060327_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records.    |
|---|---|--|
| CS_OFFL_SIR_GOPR_2_20180201T132653_20180201T132745_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or<br>more records. |
| CS_OFFL_SIR_GOPR_2_20180201T191002_20180201T191201_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or more records.    |
| CS_OFFL_SIR_GOPR_2_20180201T230440_20180201T230920_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status | The SWH and Ocean Averaging Status Flags have been set for one or<br>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. Number of products with errors: 56

## 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: 0

## 6.3 P2P Auxiliary Data File Usage Check

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

### 6.4 P2P Auxiliary Correction Error Check

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

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.

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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

Number of products with errors:

| Product  | Test Failed   | Description  |
|--|---|--|
| CS_OFFL_SIR_GOP_220180131T233043_20180201T002019_C002  | Ocean Range Averaging Status                                | The Ocean Range Averaging Status Flag has been set for one or more records.              |
| CS_OFFL_SIR_GOP_220180201T002019_20180201T010957_C001  | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_220180201T010957_20180201T015933_C001  | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_220180201T015933_20180201T024911_C001  | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_220180201T024911_20180201T033847_C001  | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_220180201T033847_20180201T042824_C001  | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_220180201T042824_20180201T051800_C001  | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_220180201T051800_20180201T060738_C001  | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_220180201T060738_20180201T065714_C001  | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_220180201T065714_20180201T074651_C001  | Ocean Range Averaging Status                                | The Ocean Range Averaging Status Flag has been set for one or more records.              |
| CS_OFFL_SIR_GOP_220180201T074651_20180201T083627_C001  | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_220180201T083627_20180201T092605_C001  | Ocean Range Averaging Status                                | The Ocean Range Averaging Status Flag has been set for one or more records.              |
| CS_OFFL_SIR_GOP_220180201T092605_20180201T101541_C001  | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_220180201T101541_20180201T110518_C001  | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_220180201T110518_20180201T115455_C001  | Ocean Range Averaging Status                                | The Ocean Range Averaging Status Flag has been set for one or more records.              |
| CS_OFFL_SIR_GOP_220180201T115455_20180201T124432_C001  | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T124432_20180201T133408_C001 | Ocean Range Averaging Status                                | The Ocean Range Averaging Status Flag has been set for one or more records.              |
| CS_OFFL_SIR_GOP_220180201T133408_20180201T142345_C001  | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_220180201T142345_20180201T151322_C001  | Ocean Range Averaging Status                                | The Ocean Range Averaging Status Flag has been set for one or more records.              |
| CS_OFFL_SIR_GOP_220180201T151322_20180201T160259_C001  | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_220180201T160259_20180201T165235_C001  | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |

| CS_OFFL_SIR_GOP_2_20180201T165235_20180201T174213_C001 | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
|--|---|--|
| CS_OFFL_SIR_GOP_2_20180201T174213_20180201T183149_C001 | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T183149_20180201T192126_C001 | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T192126_20180201T201102_C001 | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T201102_20180201T210040_C001 | Ocean Range Averaging Status                                | The Ocean Range Averaging Status Flag has been set for one or more records.              |
| CS_OFFL_SIR_GOP_2_20180201T210040_20180201T215016_C001 | Ocean Range Averaging Status                                | The Ocean Range Averaging Status Flag has been set for one or more records.              |
| CS_OFFL_SIR_GOP_2_20180201T215016_20180201T223953_C001 | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T223953_20180201T232930_C001 | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_220180201T232930_20180202T001907_C002  | Ocean Range Averaging Status, Ice<br>Range Averaging Status | The Ocean and Ice Range Averaging Status Flags have been set for one<br>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

#### Number of products with errors:

| Product  | Test Failed  | Description   |
|--|--|---|
| CS_OFFL_SIR_GOP_2_20180131T233043_20180201T002019_C002 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status                                      | The SWH and Ocean Averaging Status Flags have been set for one or<br>more records.      |
| CS_OFFL_SIR_GOP_2_20180201T002019_20180201T010957_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T010957_20180201T015933_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T015933_20180201T024911_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T024911_20180201T033847_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T033847_20180201T042824_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T042824_20180201T051800_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T051800_20180201T060738_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status                                      | The SWH and Ocean Averaging Status Flags have been set for one or<br>more records.      |
| CS_OFFL_SIR_GOP_2_20180201T060738_20180201T065714_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T065714_20180201T074651_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T074651_20180201T083627_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T083627_20180201T092605_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T092605_20180201T101541_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T101541_20180201T110518_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T110518_20180201T115455_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status                                      | The SWH and Ocean Averaging Status Flags have been set for one or more records.         |
| CS_OFFL_SIR_GOP_2_20180201T115455_20180201T124432_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T124432_20180201T133408_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status                                      | The SWH and Ocean Averaging Status Flags have been set for one or more records.         |
| CS_OFFL_SIR_GOP_2_20180201T133408_20180201T142345_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T142345_20180201T151322_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status                                      | The SWH and Ocean Averaging Status Flags have been set for one or more records.         |
| CS_OFFL_SIR_GOP_2_20180201T151322_20180201T160259_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T160259_20180201T165235_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T165235_20180201T174213_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T174213_20180201T183149_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_2_20180201T183149_20180201T192126_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status                                      | The SWH and Ocean Averaging Status Flags have been set for one or more records.         |

| CS_OFFL_SIR_GOP_220180201T192126_20180201T201102_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
|---|--|---|
| CS_OFFL_SIR_GOP_220180201T201102_20180201T210040_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_220180201T210040_20180201T215016_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status                                      | The SWH and Ocean Averaging Status Flags have been set for one or more records.         |
| CS_OFFL_SIR_GOP_220180201T215016_20180201T223953_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_220180201T223953_20180201T232930_C001 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>or more records. |
| CS_OFFL_SIR_GOP_220180201T232930_20180202T001907_C002 | SWH Averaging Status, Ocean<br>Backscatter Averaging Status, Ice<br>Backscatter Averaging Status | The SWH, Ocean and Ice Averaging Status Flags have been set for one<br>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. Number of products with errors: 26

| CS_OFFL_SIR_GOP_2_20180131T233043_20180201T002019_C002Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T010957_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T05933_20180201T024911_20180201T033847_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T03491_20180201T042824_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T042824_20180201T042824_C010Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T051800_20180201T069738_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T069738_20180201T069738_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T069738_20180201T04651_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T092605_0180201T104561_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T101541_20180201T101541_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_0180201T1115452_0180201T116453_C010Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag  |
|--|
| CS_OFFL_SIR_GOP_2_20180201T015933_20180201T024911_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T024911_20180201T033847_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T033847_20180201T042824_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T042824_20180201T042824_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T061800_20180201T069738_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T060738_20180201T060738_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T060738_20180201T065714_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T092605_20180201T092605_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T101541_20180201T10545Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T110518_20180201T110518_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T115455_20180201T116455_20180Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag  |
| CS_OFFL_SIR_GOP_2_20180201T024911_20180201T033847_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T042824_20180201T042824_20100Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T042824_20180201T051800_C010Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T065784_20180201T066738_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T065714_20180201T065714_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T065714_20180201T065714_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T086827_20180201T092605_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T10581_20180201T10541_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T101541_20180201T11545_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T115455_20180201T115455_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T115455_20180201T115455_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Fl   |
| CS_OFFL_SIR_GOP_2_20180201T033847_20180201T042824_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T042824_20180201T051800_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T051800_20180201T060738_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T060738_20180201T060738_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T065714_20180201T065714_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T083627_20180201T076651_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T082605_20180201T10541_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T101541_20180201T110542_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T115455_20180201T124432_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T115452_20180201T16259_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T16525_20180201T16525_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag   |
| CS_OFFL_SIR_GOP_2_20180201T042824_20180201T051800_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T065780_20180201T060738_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T065714_20180201T065714_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T065714_20180201T074651_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T083627_20180201T092605_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T092605_20180201T1092605_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T092605_20180201T109164_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T10514_20180201T110518_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T10514_20180201T115455_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T115455_20180201T124432_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T16455_20180201T124432_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T16452_20180201T13408_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T164525_20180201T164535_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more record   |
| CS_OFFL_SIR_GOP_2_20180201T051800_20180201T060738_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T060738_20180201T065714_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T065714_20180201T074651_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T083627_20180201T092605_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T092605_20180201T101541_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T101540_201T11058_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T10158_20180201T11058_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T11058_20180201T114432_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T116455_20180201T124432_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T116455_20180201T13408_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T16259_20180201T160259_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T16255_20180201T16255_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T16255_20180201T16255_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL |
| CS_OFFL_SIR_GOP_2_20180201T060738_20180201T065714_C001 Ocean Retracking Quality Flag The Ocean Retracking Qu                           |
| CS_OFFL_SIR_GOP_2_20180201T065714_20180201T092605_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T092605_20180201T092605_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T092605_20180201T101541_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T101541_20180201T110518_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T110518_20180201T110518_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T110518_20180201T115455_20180201T124432_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T124432_20180201T124432_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T160259_20180201T124432_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T160259_20180201T160259_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T160259_20180201T160259_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T160259_20180201T160259_20180201T165235_2001Ocean Retracking Quality Flag<   |
| CS_OFFL_SIR_GOP_2_20180201T083627_20180201T092605_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T092605_20180201T101541_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T101541_20180201T110518_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T110518_20180201T110518_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T115455_20180201T115455_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T115455_20180201T124432_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T115455_20180201T124432_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T15452_20180201T160259_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T160259_20180201T165235_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T165235_20180201T165235_20180201T165235_20180201T165235_2011Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_GOP_2_20180201T165235_20180201T165235_20180201T165235_20180201T165235_20180201T165235_2   |
| CS_OFFL_SIR_GOP_2_20180201T092605_20180201T101541_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T101541_20180201T110518_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T110518_20180201T115455_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T115455_20180201T124432_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T124432_20180201T133408_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T151322_20180201T160259_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T160259_20180201T165235_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T160259_20180201T165235_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T160259_20180201T165235_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T165235_20180201T174213_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.<br>CS_OFFL_SIR_GOP_2_20180201T16235_20180201T174213_20180201T183149_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  |
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| CS_OFFL_SIR_GOP_2_20180201T201102_20180201T210040_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.   |
| CS_OFFL_SIR_GOP_2_20180201T210040_20180201T215016_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.   |
| CS_OFFL_SIR_GOP_2_20180201T215016_20180201T223953_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.   |
| CS_OFFL_SIR_GOP_2_20180201T223953_20180201T232930_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.   |
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