

### 1. Overview

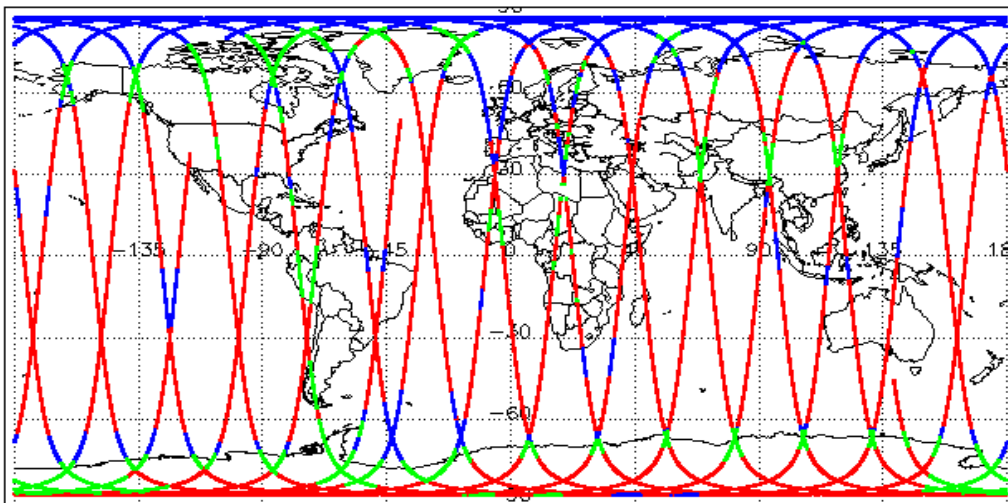
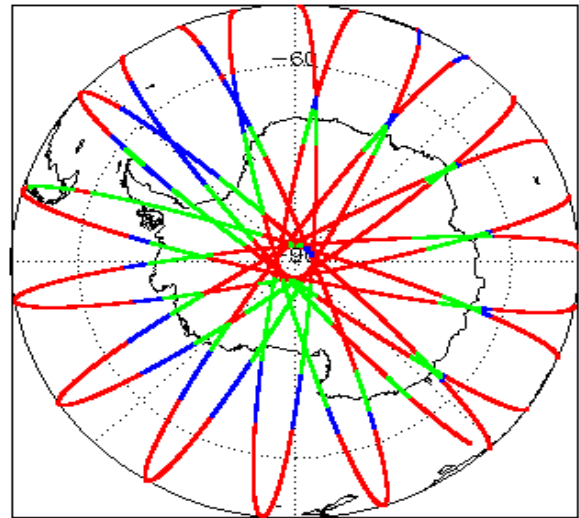
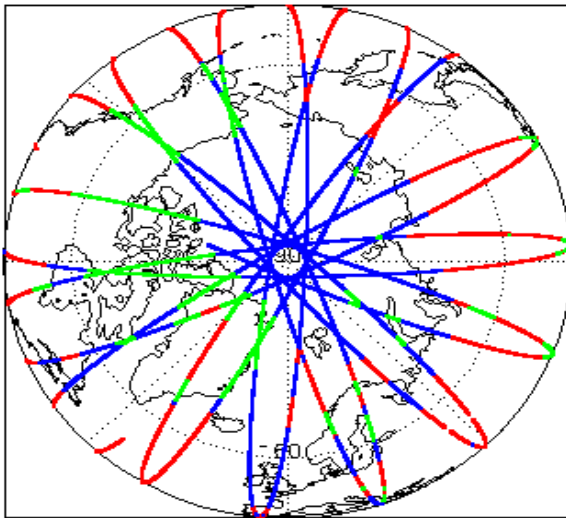
<b>Report Production:</b>	23-Jan-2018
<b>Processor Used:</b>	CryoSat Ocean Processor
<b>Data Used:</b>	Near Real Time Ocean Products (NOP) L1B & L2 Science Data

Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	Nominal
Measurement Confidence Data Check	See Section 4.5, 4.6
Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7
Ocean Retracking Quality Check	See Section 5.8

#### Mission / Instrument News

16-Jan-2018	None
17-Jan-2018	None
18-Jan-2018	Nothing planned

### 2. Global Coverage



### 3. Instrument Configuration

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

<b>SIRAL instrument(s) in use:</b>	SIRAL - A
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### 4. NOP Level 1B Data Quality Check

#### 4.1 L1B Product Format Check

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

Number of products with errors: 0

#### 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 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: 0

### 4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors: 0

### 4.5 L1B Measurement Confidence Data Check

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

Number of products with errors: 50

Product	Test Failed	Description
CS_OFFL_SIR_NOPR1B_20180117T001311_20180117T001506_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T003158_20180117T003337_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T004542_20180117T004553_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T010118_20180117T010318_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T013855_20180117T014112_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T035113_20180117T035225_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T040417_20180117T040424_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T044416_20180117T044919_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T052906_20180117T053145_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T061802_20180117T061959_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T062133_20180117T063119_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T074836_20180117T075212_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T075503_20180117T075743_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T082301_20180117T082545_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T084808_20180117T085037_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T085503_20180117T085506_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T094249_20180117T095033_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T102638_20180117T102734_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T103401_20180117T103407_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T103414_20180117T103420_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T104233_20180117T104501_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T111628_20180117T111642_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T113127_20180117T113633_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T114339_20180117T114820_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T120555_20180117T120606_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T121259_20180117T121305_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T121312_20180117T121318_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T121712_20180117T122313_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T123637_20180117T123850_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T125048_20180117T125600_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T143221_20180117T143428_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T143938_20180117T144502_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T152415_20180117T152426_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T153644_20180117T153741_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T161800_20180117T162135_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T170343_20180117T170353_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T171535_20180117T171741_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T172840_20180117T173417_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T180535_20180117T180728_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T183337_20180117T183710_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T185429_20180117T185704_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T194756_20180117T194919_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T195435_20180117T195611_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T202246_20180117T202326_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T205817_20180117T210101_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T211037_20180117T211145_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T212537_20180117T213151_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T220025_20180117T220325_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T221418_20180117T221543_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180117T233642_20180117T234345_C001	Attitude correction missing	The attitude has not been corrected

## 4.6 L1B Waveform Group Data Check

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

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

**Number of products with errors:** 20

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20180117T001512_20180117T002934_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20180117T015736_20180117T021201_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20180117T040424_20180117T042932_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180117T030901_20180117T031447_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180117T044355_20180117T044415_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180117T125600_20180117T125633_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180117T125848_20180117T125952_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180117T135348_20180117T135819_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180117T140151_20180117T140256_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180117T175030_20180117T175342_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180117T220907_20180117T221418_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180117T235319_20180117T235440_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180117T003158_20180117T003337_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180117T013519_20180117T013721_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180117T070838_20180117T071134_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180117T074836_20180117T075212_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180117T113127_20180117T113633_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180117T171535_20180117T171741_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180117T185429_20180117T185704_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180117T212537_20180117T213151_C001	Loss of Echo	The tracking echo is missing for one or more records

## 5. NOP Level 2 Data Quality Check

### 5.1 L2 Product Format Check

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

**Number of products with errors:** 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 inconsistencies and/or errors raised by the ground-segment processing chain.

**Number of products with errors:** 0

### 5.3 L2 Auxiliary Data File Usage Check

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

**Number of products with errors:** 0

### 5.4 L2 Auxiliary Correction Error Check

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

**Number of products with errors:** 0

### 5.5 L2 Measurement Confidence Data Check

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

**Number of products with errors:** 0

### 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.

**Number of products with errors:** 79

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180116T235605_20180117T001310_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T001512_20180117T002934_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T003958_20180117T004405_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T004553_20180117T010117_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T010318_20180117T011240_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T014112_20180117T015209_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T015736_20180117T021201_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T021454_20180117T022307_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.





CS_OFFL_SIR_NOPM_2_20180117T200548_20180117T202246_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T202452_20180117T203006_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T203550_20180117T205816_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T210101_20180117T211036_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T212159_20180117T212242_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T212358_20180117T212537_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T214105_20180117T214711_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T214859_20180117T220024_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T220632_20180117T220907_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T221543_20180117T224821_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T230443_20180117T233642_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T234619_20180117T234814_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T235017_20180117T235318_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T235441_20180118T001038_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180117T013146_20180117T013242_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180117T021254_20180117T021454_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180117T075855_20180117T075904_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180117T112046_20180117T112150_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180117T143428_20180117T143938_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180117T080200_20180117T081014_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.

**Number of products with errors:** 76

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180116T235605_20180117T001310_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_NOPM_2_20180117T001512_20180117T002934_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_NOPM_2_20180117T003958_20180117T004405_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T004553_20180117T010117_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_NOPM_2_20180117T010318_20180117T011240_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_NOPM_2_20180117T014112_20180117T015209_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_NOPM_2_20180117T015736_20180117T021201_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_NOPM_2_20180117T021454_20180117T022307_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T022525_20180117T024126_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_NOPM_2_20180117T024459_20180117T024954_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_NOPM_2_20180117T032405_20180117T035113_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_NOPM_2_20180117T035344_20180117T035546_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T035625_20180117T040139_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T040424_20180117T042932_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_NOPM_2_20180117T050208_20180117T051250_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_NOPM_2_20180117T051829_20180117T052906_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_NOPM_2_20180117T053551_20180117T054155_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T054325_20180117T061134_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_NOPM_2_20180117T061959_20180117T062132_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_NOPM_2_20180117T063502_20180117T070838_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_NOPM_2_20180117T071459_20180117T072025_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180117T072226_20180117T072816_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_NOPM_2_20180117T075846_20180117T075855_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_NOPN_2_20180117T143428_20180117T143938_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_NOPR_2_20180117T080200_20180117T081014_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

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## 5.8 L2 Ocean Retracking Quality Check

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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:** 51

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