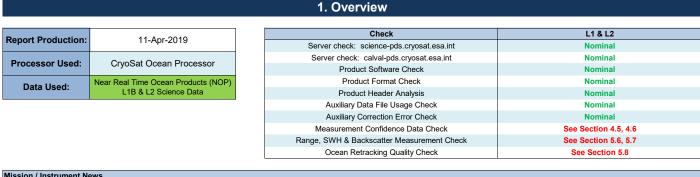
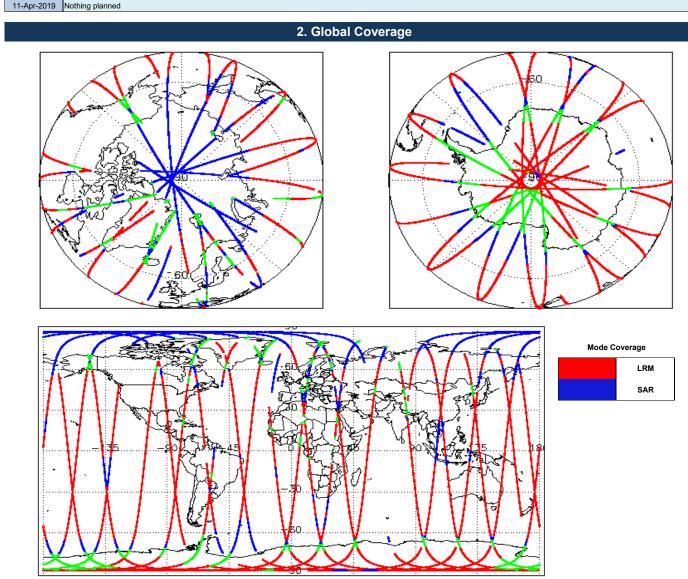


# IDEAS+ Daily Report for NOP data:

# <u>10/04/2019</u>



wission / matument wews			
09-Apr-2019	None		
10-Apr-2019	None		



## 3. Instrument Configuration

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

SIRAL - A

0

SIRAL instrument(s) in use:

4. NOP Level 1B Data Quality Check

## 4.1 L1B Product Format Check

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

Number of products with errors:

## 4.2 L1B Product Header Analysis

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

 Number of products with errors:
 0

#### 4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

### 4.4 L1B Auxiliary Correction Error Check

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

### 4.5 L1B Measurement Confidence Data Check

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

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

#### 4.6 L1B Waveform Group Data Check

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

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

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20190410T013455_20190410T020347_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20190410T081127_20190410T082649_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20190410T115233_20190410T115638_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190410T035818_20190410T040027_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190410T120518_20190410T120610_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190410T120653_20190410T120904_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190410T221031_20190410T221123_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190410T221337_20190410T221458_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190410T083750_20190410T083928_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190410T085135_20190410T085925_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190410T140038_20190410T140147_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190410T151909_20190410T152008_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). 0 Number of products with errors:

#### 5.2 L2 Product Header Analysis

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

## 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:

#### 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:

#### 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. 68

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190409T235522_20190410T002833_C001		The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190410T004516_20190410T005207_C001		The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190410T005221_20190410T011636_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190410T013455_20190410T020347_C001	Ucean Rande Averading Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS\_OFFL\_SIR\_NOPM\_2\_20190410T022005\_20190410T022405\_C001 CS OFFL SIR NOPM 2 20190410T022532 20190410T022756 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T025001\_20190410T025858\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T030451\_20190410T030721\_C001 CS OFFL SIR NOPM 2 20190410T030746 20190410T031210 C001 CS OFFL SIR NOPM 2 20190410T031405 20190410T032854 C001 CS OFFL SIR NOPM 2 20190410T033034 20190410T033539 C001 CS OFFL SIR NOPM 2 20190410T040727 20190410T041438 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T041601\_20190410T043958\_C001 CS OFFL SIR NOPM 2 20190410T044234 20190410T045125 C001 CS OFFL SIR NOPM 2 20190410T045341 20190410T051724 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T055507\_20190410T061854\_C001 CS OFFL SIR NOPM 2 20190410T062449 20190410T062914 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T072627\_20190410T074106\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T074642\_20190410T075806\_C001 CS OFFL SIR NOPM 2 20190410T080404 20190410T080952 C001 CS OFFL SIR NOPM 2 20190410T081127 20190410T082649 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T084900\_20190410T084952\_C001 CS OFFL SIR NOPM 2 20190410T090230 20190410T093707 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T094309\_20190410T094823\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T095014\_20190410T095307\_C001 CS OFFL SIR NOPM 2 20190410T095507 20190410T095837 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T095933\_20190410T100650\_C001 CS OFFL SIR NOPM 2 20190410T102539 20190410T102840 C001 CS OFFL SIR NOPM 2 20190410T102848 20190410T102938 C001 CS OFFL SIR NOPM 2 20190410T104232 20190410T105115 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T105402\_20190410T111606\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T112317\_20190410T112725\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T112930\_20190410T114231\_C001 CS OFFL SIR NOPM 2 20190410T114419 20190410T115136 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T115233\_20190410T115638\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T122252\_20190410T125452\_C001 CS OFFL SIR NOPM\_2\_20190410T125641\_20190410T130208\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T130949\_20190410T131001\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T131310\_20190410T132539\_C001 CS OFFL SIR NOPM 2 20190410T132604 20190410T134315 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T140455\_20190410T141634\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T141838\_20190410T143412\_C001 CS OFFL SIR NOPM 2 20190410T143608 20190410T144105 C001 CS OFFL SIR NOPM 2 20190410T145013 20190410T145809 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T150705\_20190410T151909\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T155802\_20190410T161303\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T161528\_20190410T162017\_C001 CS OFFL SIR NOPM 2 20190410T162042 20190410T162050 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T162633\_20190410T165017\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T165021\_20190410T170046\_C001 CS OFFL SIR NOPM 2 20190410T190229 20190410T193208 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T193349\_20190410T193846\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T193854\_20190410T194221\_C001 CS OFFL SIR NOPM 2 20190410T194547 20190410T195657 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T200233\_20190410T202021\_C001 Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status

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CS_OFFL_SIR_NOPM_2_20190410T210536_20190410T210658_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190410T210857_20190410T211152_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190410T211347_20190410T211918_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190410T212504_20190410T215844_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190410T221221_20190410T221337_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190410T223143_20190410T225102_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190410T230409_20190410T233810_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190410T222944_20190410T223143_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190410T004249_20190410T004310_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190410T061854_20190410T062034_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190410T093707_20190410T093956_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190410T095837_20190410T095933_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190410T230127_20190410T230409_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. 68

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190409T235522_20190410T002833_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20190410T004516_20190410T005207_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_NOPM_2_20190410T005221_20190410T011636_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_20190410T013030_20190410T013253_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190410T013455_20190410T020347_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_20190410T022005_20190410T022405_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190410T022532_20190410T022756_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_20190410T025001_20190410T025858_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_20190410T030451_20190410T030721_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190410T030746_20190410T031210_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190410T031405_20190410T032854_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_20190410T033034_20190410T033539_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_20190410T040727_20190410T041438_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_20190410T041601_20190410T043958_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_20190410T044234_20190410T045125_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190410T045341_20190410T051724_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_20190410T055507_20190410T061854_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_20190410T062449_20190410T062914_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190410T072627_20190410T074106_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_20190410T074642_20190410T075806_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_20190410T080404_20190410T080952_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190410T081127_20190410T082649_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_20190410T084900_20190410T084952_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_20190410T090230_20190410T093707_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_20190410T094309_20190410T094823_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190410T095014_20190410T095307_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_20190410T095933_20190410T100650_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_20190410T102539_20190410T102840_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_20190410T102848_20190410T102938_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_20190410T104232_20190410T105115_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\_20190410T105402\_20190410T111606\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T112317\_20190410T112725\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T112930\_20190410T114231\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T114419\_20190410T115136\_C001 CS OFFL SIR NOPM 2 20190410T115233 20190410T115638 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T122252\_20190410T125452\_C001 CS OFFL SIR NOPM 2 20190410T125641 20190410T130208 C001 CS OFFL SIR NOPM 2 20190410T130228 20190410T130500 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T130949\_20190410T131001\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T131310\_20190410T132539\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T132604\_20190410T134315\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T140455\_20190410T141634\_C001 CS OFFL SIR NOPM 2 20190410T141838 20190410T143412 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T143608\_20190410T144105\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T145013\_20190410T145809\_C001 CS OFFL SIR NOPM 2 20190410T150705 20190410T151909 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T155802\_20190410T161303\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T161528\_20190410T162017\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T162042\_20190410T162050\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T162633\_20190410T165017\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T165021\_20190410T170046\_C001 CS OFFL SIR NOPM 2 20190410T190229 20190410T193208 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T193349\_20190410T193846\_C001 CS OFFL SIR NOPM 2 20190410T193854 20190410T194221 C001 CS OFFL SIR NOPM 2 20190410T194547 20190410T195657 C001 CS OFFL SIR NOPM 2 20190410T200233 20190410T202021 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T210536\_20190410T210658\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T211347\_20190410T211918\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T212504\_20190410T215844\_C001 CS OFFL SIR NOPM 2 20190410T221221\_20190410T221337\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T223143\_20190410T225102\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190410T230409\_20190410T233810\_C001 CS OFFL SIR NOPN 2 20190410T222944 20190410T223143 C001 CS\_OFFL\_SIR\_NOPR\_2\_20190410T004249\_20190410T004310\_C001 CS\_OFFL\_SIR\_NOPR\_2\_20190410T061854\_20190410T062034\_C001 CS OFFL SIR NOPR 2 20190410T093707 20190410T093956 C001 CS\_OFFL\_SIR\_NOPR\_2\_20190410T095837\_20190410T095933\_C001 CS\_OFFL\_SIR\_NOPR\_2\_20190410T230127\_20190410T230409\_C001

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

### 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: