

1. Overview

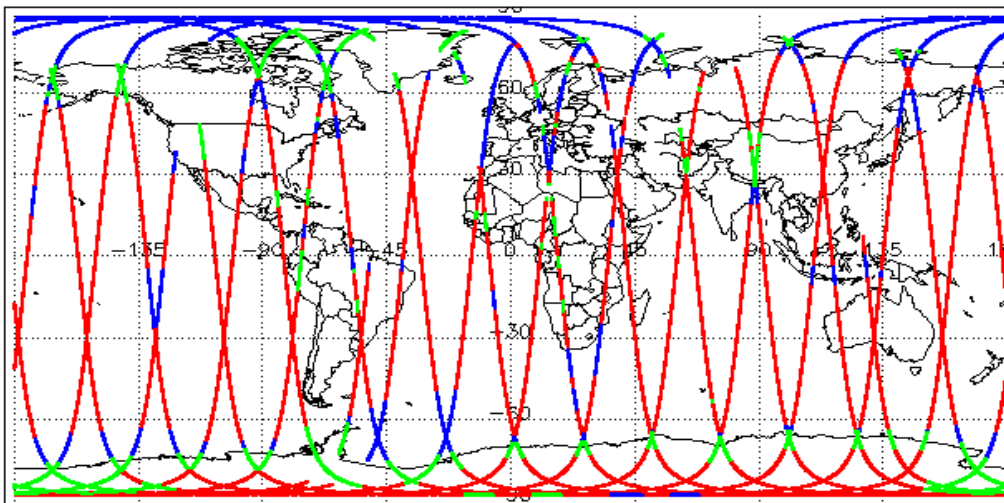
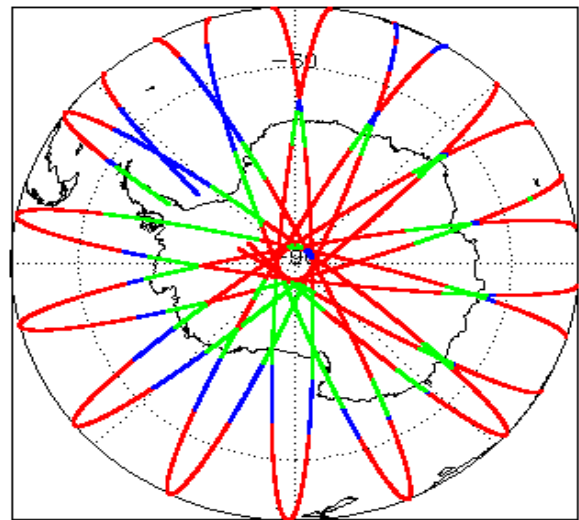
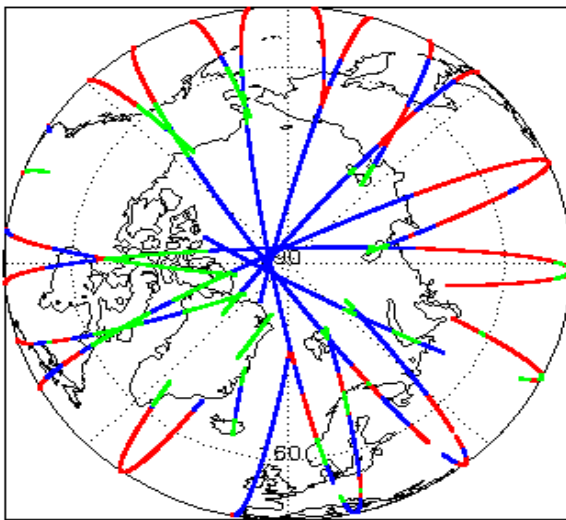
Report Production:	30-Jan-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data

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

28-Jan-2018	None
29-Jan-2018	None
30-Jan-2018	Nothing planned

2. Global Coverage



3. Instrument Configuration

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

SIRAL instrument(s) in use:	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: 54

Product	Test Failed	Description
CS_OFFL_SIR_NOPR1B_20180129T001532_20180129T001608_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T003101_20180129T003105_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T004602_20180129T004741_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T010333_20180129T010414_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T010932_20180129T011015_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T012127_20180129T012243_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T012443_20180129T012552_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T015707_20180129T015811_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T021022_20180129T021044_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T030001_20180129T030215_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T030659_20180129T030909_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T033634_20180129T033745_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T042743_20180129T042913_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T051425_20180129T051714_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T052834_20180129T052840_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T060304_20180129T060501_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T060841_20180129T061641_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T061758_20180129T061814_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T071336_20180129T071614_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T074018_20180129T074147_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T074537_20180129T074643_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T074721_20180129T075605_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T075643_20180129T075656_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T075736_20180129T075839_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T080821_20180129T081107_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T083320_20180129T083548_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T092315_20180129T092457_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T092810_20180129T093558_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T101214_20180129T101225_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T101919_20180129T101924_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T101931_20180129T101938_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T102417_20180129T103017_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T110708_20180129T111251_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T111700_20180129T112030_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T115816_20180129T115823_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T115830_20180129T115836_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T122159_20180129T122411_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T123526_20180129T123726_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T123911_20180129T124000_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T124622_20180129T124915_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T143042_20180129T143139_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T151011_20180129T151035_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T164911_20180129T164916_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T180708_20180129T180733_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T182843_20180129T182930_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T192752_20180129T192928_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T193130_20180129T193506_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T193744_20180129T194105_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T205519_20180129T205629_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T210944_20180129T211959_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T215948_20180129T220127_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T223758_20180129T223852_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T224943_20180129T225021_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_NOPR1B_20180129T230853_20180129T230941_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: 10

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20180129T012552_20180129T013146_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20180129T060501_20180129T060550_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180129T011516_20180129T011730_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180129T013752_20180129T014145_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180129T052706_20180129T052834_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180129T060841_20180129T061641_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180129T110708_20180129T111251_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180129T123526_20180129T123726_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180129T193744_20180129T194105_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180129T232304_20180129T232902_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: 83

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180129T000032_20180129T001532_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T002209_20180129T002426_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T002504_20180129T002923_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T003105_20180129T004602_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T004741_20180129T010219_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T012552_20180129T013146_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T013308_20180129T013520_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T014145_20180129T015707_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T015959_20180129T020829_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T021044_20180129T023329_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T031112_20180129T033634_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T033906_20180129T034059_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T034153_20180129T034636_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T034912_20180129T035234_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T035241_20180129T041549_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T044818_20180129T045814_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_NOPM_2_20180129T225021_20180129T230853_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T230941_20180129T232304_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T233137_20180129T233335_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T234017_20180129T235555_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180129T001608_20180129T001910_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180129T070537_20180129T070655_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180129T092229_20180129T092315_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180129T092457_20180129T092537_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180129T101232_20180129T101411_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180129T165557_20180129T165604_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180129T001532_20180129T001608_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180129T003101_20180129T003105_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180129T052834_20180129T052840_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180129T075857_20180129T075947_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180129T191749_20180129T191754_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180129T224943_20180129T225021_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: 86

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180129T000032_20180129T001532_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_20180129T002209_20180129T002426_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T002504_20180129T002923_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T003105_20180129T004602_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_20180129T004741_20180129T010219_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_20180129T012552_20180129T013146_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_20180129T014145_20180129T015707_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_20180129T015959_20180129T020829_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T021044_20180129T023329_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_20180129T031112_20180129T033634_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_20180129T033906_20180129T034059_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T034153_20180129T034636_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T034912_20180129T035234_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_20180129T035241_20180129T041549_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_20180129T044818_20180129T045814_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_20180129T050351_20180129T051425_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_20180129T052111_20180129T052706_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T052840_20180129T055735_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_20180129T060555_20180129T060658_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_20180129T061948_20180129T065412_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_20180129T070019_20180129T070537_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180129T070735_20180129T071015_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_20180129T074315_20180129T074537_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_20180129T074643_20180129T074721_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_20180129T075947_20180129T080821_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_20180129T081107_20180129T083320_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_20180129T083907_20180129T084020_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_NOPN_2_20180129T101232_20180129T101411_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180129T165557_20180129T165604_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180129T001532_20180129T001608_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_20180129T003101_20180129T003105_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_20180129T052834_20180129T052840_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_20180129T075857_20180129T075947_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_20180129T191749_20180129T191754_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_20180129T224943_20180129T225021_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

5.8 L2 Ocean Retracking Quality Check

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

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

Number of products with errors: 43
