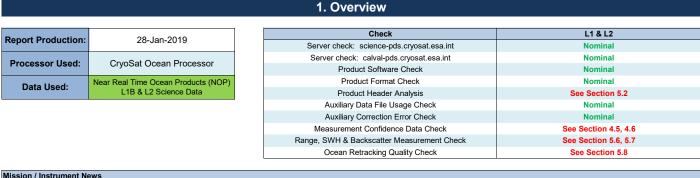
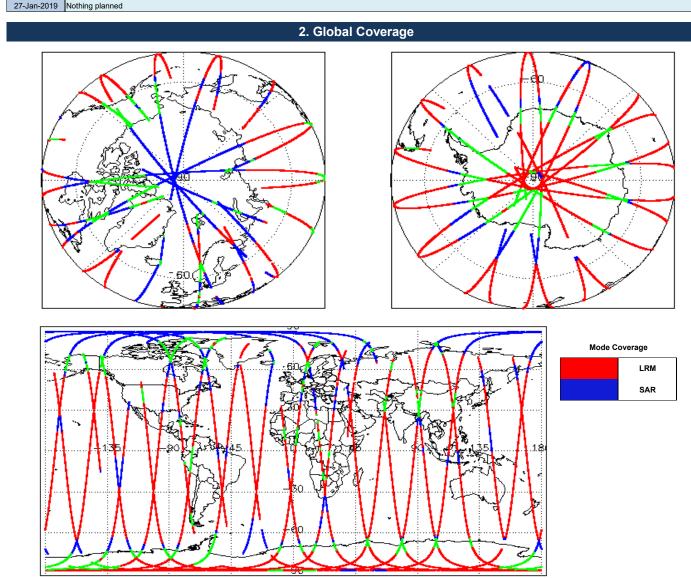


# IDEAS+ Daily Report for NOP data:

# 26/01/2019



25-Jan-2019	None	
26-Jan-2019	None	
07 1 0010	N I - Ale line and an I - and a	



## 3. Instrument Configuration

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

SIRAL instrument(s) in use:

) in use: SIRAL - A

0

4. 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

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The tracking echo is missing for one or more records				
Quality Check				
XML header file (.HDR) and a binary product file (.DBL).				
/ inconsistencies and/or errors raised by the ground-segment processing chain.				
Number of products with errors: 0				
so to check the validity of Auxiliary Data Files is correct.				
lue (32767).				
For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).          Number of products with errors:       0				
ue 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. 77

0

# Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190126T000019_20190126T002035_C001	Ocean Rande Averading Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T010535_20190126T010712_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T010911_20190126T011202_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS\_OFFL\_SIR\_NOPM\_2\_20190126T011402\_20190126T011927\_C001 CS OFFL SIR NOPM 2 20190126T012520 20190126T014734 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T015020\_20190126T015920\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T021215\_20190126T021512\_C001 CS OFFL SIR NOPM 2 20190126T023132 20190126T025121 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T025327\_20190126T025825\_C001 CS OFFL SIR NOPM 2 20190126T030429 20190126T033715 C001 CS OFFL SIR NOPM 2 20190126T040252 20190126T042602 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T043537\_20190126T043730\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T044411\_20190126T045147\_C001 CS OFFL SIR NOPM 2 20190126T045150 20190126T050013 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T050031\_20190126T050153\_C001 CS OFFL SIR NOPM 2 20190126T050635 20190126T051513 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T053427\_20190126T055035\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T055249\_20190126T060731\_C001 CS OFFL SIR NOPM 2 20190126T061431 20190126T061642 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T061727\_20190126T062144\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T062327\_20190126T063841\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T064054\_20190126T065018\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T070838\_20190126T070916\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T071828\_20190126T072539\_C001 CS OFFL SIR NOPM 2 20190126T072542 20190126T072948 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T073447\_20190126T074925\_C001 CS OFFL SIR NOPM 2 20190126T075223 20190126T080045 C001 CS OFFL SIR NOPM 2 20190126T080302 20190126T082015 C001 CS OFFL SIR NOPM 2 20190126T082056 20190126T082530 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T090153\_20190126T090508\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T090511\_20190126T092854\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T093122\_20190126T093320\_C001 CS OFFL SIR NOPM 2 20190126T093407 20190126T093904 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T094153\_20190126T100742\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T104036\_20190126T105029\_C001 CS OFFL SIR NOPM 2 20190126T105608 20190126T110640 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T111328\_20190126T111928\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T112100\_20190126T114342\_C001 CS OFFL SIR NOPM 2 20190126T115723 20190126T115920 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T121224\_20190126T124622\_C001 CS OFFL SIR NOPM 2 20190126T125236 20190126T125759 C001 CS OFFL SIR NOPM 2 20190126T125958 20190126T130554 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T133849\_20190126T133942\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T135213\_20190126T140039\_C001 CS OFFL SIR NOPM 2 20190126T140325 20190126T142540 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T143130\_20190126T143239\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T143244\_20190126T143652\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T143906\_20190126T145158\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T145345\_20190126T145943\_C001 CS OFFL SIR NOPM 2 20190126T153051 20190126T160423 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T160638\_20190126T161136\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T161157\_20190126T161515\_C001 CS OFFL SIR NOPM 2 20190126T162237 20190126T165355 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T180030\_20190126T181418\_C001

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CS_OFFL_SIR_NOPM_2_20190126T181632_20190126T182810_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T185602_20190126T190619_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T190759_20190126T192229_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T192445_20190126T192945_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T193025_20190126T193127_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T193822_20190126T193954_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T194210_20190126T195217_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T195453_20190126T200010_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T203858_20190126T210157_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T210520_20190126T210902_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T210924_20190126T211222_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T211517_20190126T214406_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T221534_20190126T224125_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T224302_20190126T224816_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T225527_20190126T230619_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T231158_20190126T232842_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T235159_20190126T235847_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190126T070734_20190126T070837_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190126T111928_20190126T112058_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190126T151503_20190126T151527_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190126T201301_20190126T201713_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190126T105030_20190126T105607_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190126T125918_20190126T125958_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. 74

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190126T000019_20190126T002035_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_20190126T003327_20190126T003512_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_20190126T010535_20190126T010712_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_20190126T010911_20190126T011202_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_20190126T011402_20190126T011927_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T012520_20190126T014734_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_20190126T015020_20190126T015920_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_20190126T021215_20190126T021512_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_20190126T023132_20190126T025121_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_20190126T025327_20190126T025825_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T030429_20190126T033715_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_20190126T040252_20190126T042602_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_20190126T043537_20190126T043730_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190126T044411_20190126T045147_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_20190126T045150_20190126T050013_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_20190126T050031_20190126T050153_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_20190126T050635_20190126T051513_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_20190126T053427_20190126T055035_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_20190126T055249_20190126T060731_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_20190126T061727_20190126T062144_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS\_OFFL\_SIR\_NOPM\_2\_20190126T062327\_20190126T063841\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T064054\_20190126T065018\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T070838\_20190126T070916\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T071828\_20190126T072539\_C001 CS OFFL SIR NOPM 2 20190126T073447 20190126T074925 C001 CS OFFL SIR NOPM 2 20190126T075223 20190126T080045 C001 CS OFFL SIR NOPM 2 20190126T080302 20190126T082015 C001 CS OFFL SIR NOPM 2 20190126T082056 20190126T082530 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T090511\_20190126T092854\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T093122\_20190126T093320\_C001 CS OFFL SIR NOPM 2 20190126T093407 20190126T093904 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T094153\_20190126T100742\_C001 CS OFFL SIR NOPM 2 20190126T104036 20190126T105029 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T105608\_20190126T110640\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T111328\_20190126T111928\_C001 CS OFFL SIR NOPM 2 20190126T112100 20190126T114342 C001 CS OFFL SIR NOPM 2 20190126T121224 20190126T124622 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T125236\_20190126T125759\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T125958\_20190126T130554\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T133601\_20190126T133806\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T133849\_20190126T133942\_C001 CS OFFL SIR NOPM 2 20190126T135213 20190126T140039 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T140325\_20190126T142540\_C001 CS OFFL SIR NOPM 2 20190126T143130 20190126T143239 C001 CS OFFL SIR NOPM 2 20190126T143244 20190126T143652 C001 CS OFFL SIR NOPM 2 20190126T143906 20190126T145158 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T145345\_20190126T145943\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T153051\_20190126T160423\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T160638\_20190126T161136\_C001 CS OFFL SIR NOPM 2 20190126T161157 20190126T161515 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T162237\_20190126T165355\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T180030\_20190126T181418\_C001 CS OFFL SIR NOPM\_2\_20190126T181632\_20190126T182810\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T185602\_20190126T190619\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T190759\_20190126T192229\_C001 CS OFFL SIR NOPM 2 20190126T192445 20190126T192945 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T193025\_20190126T193127\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T194210\_20190126T195217\_C001 CS OFFL SIR NOPM 2 20190126T195453 20190126T200010 C001 CS OFFL SIR NOPM 2 20190126T203858 20190126T210157 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T210520\_20190126T210902\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T210924\_20190126T211222\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T211517\_20190126T214406\_C001 CS OFFL SIR NOPM 2 20190126T221534 20190126T224125 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T224302\_20190126T224816\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T225527\_20190126T230619\_C001 CS OFFL SIR NOPM 2 20190126T231158 20190126T232842 C001 CS\_OFFL\_SIR\_NOPM\_2\_20190126T235159\_20190126T235847\_C001 CS\_OFFL\_SIR\_NOPN\_2\_20190126T070734\_20190126T070837\_C001 CS OFFL SIR NOPN 2 20190126T111928 20190126T112058 C001 CS\_OFFL\_SIR\_NOPN\_2\_20190126T151503\_20190126T151527\_C001

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Ice Backscatter Averaging Status

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CS\_OFFL\_SIR\_NOPN\_2\_20190126T201301\_20190126T201713\_C001

CS\_OFFL\_SIR\_NOPR\_2\_20190126T105030\_20190126T105607\_C001

CS\_OFFL\_SIR\_NOPR\_2\_20190126T125918\_20190126T125958\_C001

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

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. 56

Number of products with errors: