

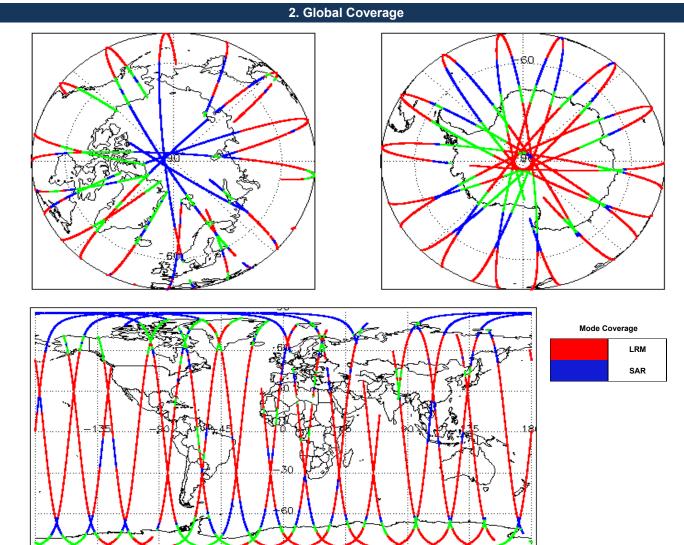
IDEAS+ Daily Report for NOP data:

<u>17/12/2018</u>

1. Overview					
Report Production:	18-Dec-2018	Check	L1 & L2		
		Server check: science-pds.cryosat.esa.int	Nominal		
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal		
		Product Software Check	Nominal		
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	Product Format Check	Nominal		
		Product Header Analysis	See Section 5.2		
		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-Dec-2018None17-Dec-2018None





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 pro	e-determined baseline and also to	check the validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1B Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag for each measurement recor	d. The bit value of this flag indicat	es 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 measurer	nent record. The bit value of this f	lag indicates any problems when set.
Attitude Correction Missing: This flag is currently set in error for NOPR proc	ucts due to a configuration issue.	This is being investigated and will be updated in the next SW update.
Number of products with errors: 0		
4.6 L1B Waveform Group Data Check		
CryoSat L1B data includes a waveform data flag for each measurement recor	The bit value of this flag indicat	es any problems when set
Loss of Echo Flag: This flag is currently set for products over land, but this is	•	
Number of products with errors: 14		
	Toot Foiled	Deceriation
Product CS_OFFL_SIR_NOPM1B_20181217T143959_20181217T151353_C001	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records
CS OFFL SIR NOPM1B 20181217T154017 20181217T154422 C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20181217T220439_20181217T223825_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20181217T021041_20181217T021152_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20181217T083645_20181217T084222_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20181217T093547_20181217T093756_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20181217T111500_20181217T111946_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20181217T192635_20181217T192731_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20181217T210051_20181217T210345_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20181217T133404_20181217T133742_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20181217T142904_20181217T143654_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20181217T151353_20181217T151726_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20181217T165305_20181217T165453_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20181217T205921_20181217T210051_C001	Loss of Echo	The tracking echo is missing for one or more records
5. N	OP Level 2 Data Qu	ality 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 an	d SPH in order to identify any inco	nsistencies 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 pro	e-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 ch	ecked for the default error value (32767).

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. 0

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. 82

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20181216T235540_20181217T002025_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181217T002237_20181217T002802_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181217T003518_20181217T004601_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_NOPM_2_20181217T005138_20181217T010714_C001 CS OFFL SIR NOPM 2 20181217T013037 20181217T015224 C001 CS_OFFL_SIR_NOPM_2_20181217T015425_20181217T015915_C001 CS_OFFL_SIR_NOPM_2_20181217T020235_20181217T021041_C001 CS OFFL SIR NOPM 2 20181217T021518 20181217T024800 C001 CS_OFFL_SIR_NOPM_2_20181217T030111_20181217T030218_C001 CS OFFL SIR NOPM 2 20181217T032809 20181217T033051 C001 CS OFFL SIR NOPM 2 20181217T033121 20181217T033731 C001 CS_OFFL_SIR_NOPM_2_20181217T034212_20181217T034728_C001 CS_OFFL_SIR_NOPM_2_20181217T035401_20181217T041538_C001 CS_OFFL_SIR_NOPM_2_20181217T041824_20181217T042805_C001 CS_OFFL_SIR_NOPM_2_20181217T043924_20181217T044031_C001 CS_OFFL_SIR_NOPM_2_20181217T044055_20181217T044400_C001 CS_OFFL_SIR_NOPM_2_20181217T045932_20181217T050434_C001 CS_OFFL_SIR_NOPM_2_20181217T050621_20181217T051648_C001 CS OFFL SIR NOPM 2 20181217T052332 20181217T052628 C001 CS_OFFL_SIR_NOPM_2_20181217T053319_20181217T060452_C001 CS_OFFL_SIR_NOPM_2_20181217T062246_20181217T062938_C001 CS_OFFL_SIR_NOPM_2_20181217T062952_20181217T065406_C001 CS_OFFL_SIR_NOPM_2_20181217T070341_20181217T070535_C001 CS_OFFL_SIR_NOPM_2_20181217T070801_20181217T071023_C001 CS OFFL SIR NOPM 2 20181217T071230 20181217T074118 C001 CS_OFFL_SIR_NOPM_2_20181217T075734_20181217T080135_C001 CS OFFL SIR NOPM 2 20181217T080257 20181217T081841 C001 CS OFFL SIR NOPM 2 20181217T082720 20181217T083644 C001 CS OFFL SIR NOPM 2 20181217T084222 20181217T084451 C001 CS_OFFL_SIR_NOPM_2_20181217T084516_20181217T084941_C001 CS_OFFL_SIR_NOPM_2_20181217T085201_20181217T090624_C001 CS_OFFL_SIR_NOPM_2_20181217T090804_20181217T091340_C001 CS OFFL SIR NOPM 2 20181217T094819 20181217T095207 C001 CS_OFFL_SIR_NOPM_2_20181217T095330_20181217T101710_C001 CS_OFFL_SIR_NOPM_2_20181217T102005_20181217T102855_C001 CS OFFL SIR NOPM 2 20181217T103115 20181217T105453 C001 CS_OFFL_SIR_NOPM_2_20181217T112206_20181217T115547_C001 CS_OFFL_SIR_NOPM_2_20181217T120219_20181217T120644_C001 CS_OFFL_SIR_NOPM_2_20181217T121029_20181217T123758_C001 CS_OFFL_SIR_NOPM_2_20181217T130358_20181217T131836_C001 CS OFFL SIR NOPM 2 20181217T132412 20181217T133403 C001 CS OFFL SIR NOPM 2 20181217T134134 20181217T134722 C001 CS_OFFL_SIR_NOPM_2_20181217T135001_20181217T140645_C001 CS_OFFL_SIR_NOPM_2_20181217T142629_20181217T142722_C001 CS OFFL SIR NOPM 2 20181217T143959 20181217T151353 C001 CS_OFFL_SIR_NOPM_2_20181217T152040_20181217T152554_C001 CS_OFFL_SIR_NOPM_2_20181217T153237_20181217T153601_C001 CS_OFFL_SIR_NOPM_2_20181217T153703_20181217T154014_C001 CS_OFFL_SIR_NOPM_2_20181217T154017_20181217T154422_C001 CS OFFL SIR NOPM 2 20181217T160308 20181217T160549 C001 CS_OFFL_SIR_NOPM_2_20181217T161923_20181217T162845_C001 CS_OFFL_SIR_NOPM_2_20181217T163131_20181217T165304_C001 CS OFFL SIR NOPM 2 20181217T165914 20181217T170040 C001 CS_OFFL_SIR_NOPM_2_20181217T170047_20181217T170455_C001

Ocean 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 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 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 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 Ice Range Averaging Status

The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more ecords The Ice Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more ecords The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more record The Ice Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_NOPM_2_20181217T170938_20181217T172001_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181217T172149_20181217T172906_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181217T173002_20181217T173408_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181217T183412_20181217T183938_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181217T183958_20181217T184231_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181217T185040_20181217T190308_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181217T190331_20181217T192055_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181217T194223_20181217T195404_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181217T195607_20181217T201118_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181217T201338_20181217T201835_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181217T202744_20181217T203545_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181217T204434_20181217T205636_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181217T213532_20181217T215025_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181217T215257_20181217T215747_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181217T220439_20181217T223825_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20181217T031033_20181217T031226_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20181217T043903_20181217T043912_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20181217T075614_20181217T075733_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20181217T142600_20181217T142629_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20181217T192056_20181217T192218_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20181217T202036_20181217T202300_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20181217T224111_20181217T224503_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20181217T021153_20181217T021518_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20181217T085121_20181217T085200_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20181217T142904_20181217T143654_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20181217T172001_20181217T172149_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20181217T183939_20181217T183944_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20181217T195404_20181217T195607_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. 80

Number of products with errors:

Test Failed	Description
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
	SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

CS_OFFL_SIR_NOPM_2_20181217T050621_20181217T051648_C001 CS OFFL SIR NOPM 2 20181217T052332 20181217T052628 C001 CS_OFFL_SIR_NOPM_2_20181217T053319_20181217T060452_C001 CS_OFFL_SIR_NOPM_2_20181217T062246_20181217T062938_C001 CS_OFFL_SIR_NOPM_2_20181217T062952_20181217T065406_C001 CS_OFFL_SIR_NOPM_2_20181217T070341_20181217T070535_C001 CS OFFL SIR NOPM 2 20181217T070801 20181217T071023 C001 CS OFFL SIR NOPM 2 20181217T071230 20181217T074118 C001 CS_OFFL_SIR_NOPM_2_20181217T075734_20181217T080135_C001 CS_OFFL_SIR_NOPM_2_20181217T080257_20181217T081841_C001 CS_OFFL_SIR_NOPM_2_20181217T082720_20181217T083644_C001 CS_OFFL_SIR_NOPM_2_20181217T084222_20181217T084451_C001 CS_OFFL_SIR_NOPM_2_20181217T084516_20181217T084941_C001 CS_OFFL_SIR_NOPM_2_20181217T085201_20181217T090624_C001 CS_OFFL_SIR_NOPM_2_20181217T090804_20181217T091340_C001 CS OFFL SIR NOPM 2 20181217T094819 20181217T095207 C001 CS_OFFL_SIR_NOPM_2_20181217T095330_20181217T101710_C001 CS_OFFL_SIR_NOPM_2_20181217T102005_20181217T102855_C001 CS_OFFL_SIR_NOPM_2_20181217T103115_20181217T105453_C001 CS_OFFL_SIR_NOPM_2_20181217T112206_20181217T115547_C001 CS_OFFL_SIR_NOPM_2_20181217T120219_20181217T120644_C001 CS OFFL SIR NOPM 2 20181217T121029 20181217T123758 C001 CS_OFFL_SIR_NOPM_2_20181217T130358_20181217T131836_C001 CS OFFL SIR NOPM 2 20181217T132412 20181217T133403 C001 CS OFFL SIR NOPM 2 20181217T134134 20181217T134722 C001 CS_OFFL_SIR_NOPM_2_20181217T135001_20181217T140645_C001 CS_OFFL_SIR_NOPM_2_20181217T142629_20181217T142722_C001 CS_OFFL_SIR_NOPM_2_20181217T143959_20181217T151353_C001 CS_OFFL_SIR_NOPM_2_20181217T152040_20181217T152554_C001 CS OFFL SIR NOPM 2 20181217T153237 20181217T153601 C001 CS_OFFL_SIR_NOPM_2_20181217T153703_20181217T154014_C001 CS_OFFL_SIR_NOPM_2_20181217T154017_20181217T154422_C001 CS OFFL SIR NOPM 2 20181217T160308 20181217T160549 C001 CS_OFFL_SIR_NOPM_2_20181217T161923_20181217T162845_C001 CS_OFFL_SIR_NOPM_2_20181217T163131_20181217T165304_C001 CS_OFFL_SIR_NOPM_2_20181217T170047_20181217T170455_C001 CS_OFFL_SIR_NOPM_2_20181217T170938_20181217T172001_C001 CS_OFFL_SIR_NOPM_2_20181217T172149_20181217T172906_C001 CS OFFL SIR NOPM 2 20181217T173002 20181217T173408 C001 CS_OFFL_SIR_NOPM_2_20181217T183412_20181217T183938_C001 CS_OFFL_SIR_NOPM_2_20181217T183958_20181217T184231_C001 CS OFFL SIR NOPM 2 20181217T185040 20181217T190308 C001 CS_OFFL_SIR_NOPM_2_20181217T190331_20181217T192055_C001 CS_OFFL_SIR_NOPM_2_20181217T194223_20181217T195404_C001 CS_OFFL_SIR_NOPM_2_20181217T195607_20181217T201118_C001 CS_OFFL_SIR_NOPM_2_20181217T201338_20181217T201835_C001 CS OFFL SIR NOPM 2 20181217T201914 20181217T202036 C001 CS_OFFL_SIR_NOPM_2_20181217T202744_20181217T203545_C001 CS_OFFL_SIR_NOPM_2_20181217T204434_20181217T205636_C001 CS OFFL SIR NOPM 2 20181217T213532 20181217T215025 C001 CS_OFFL_SIR_NOPM_2_20181217T215257_20181217T215747_C001 SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

SWH Averaging Status, Ocean

Ice Backscatter Averaging Status

Backscatter Averaging Status

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

The SWH and Ocean Averaging Status Flags have been set for one or

The Ice Backscatter Averaging Status Flag has been set for one or more records.

	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20181217T220439_20181217T223825_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_NOPN_2_20181217T031033_20181217T031226_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records.
CS OFFL SIR NOPN 2 20181217T043903 20181217T043912 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records.
CS_OFFL_SIR_NOPN_2_20181217T075614_20181217T075733_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS OFFL SIR NOPN 2 20181217T142600 20181217T142629 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records.
CS_OFFL_SIR_NOPN_2_20181217T192056_20181217T192218_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS OFFL SIR NOPN 2 20181217T202036 20181217T202300 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
00_0112_011(_10111_2_201012111202000_201012111202000_0001	Backscatter Averaging Status	more records.
CS OFFL SIR NOPN 2 20181217T224111 20181217T224503 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records.
CS OFFL SIR NOPR 2 20181217T021153 20181217T021518 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records.
CS OFFL SIR NOPR 2 20181217T085121 20181217T085200 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records.
CS OFFL SIR NOPR 2 20181217T142904 20181217T143654 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records.
CS OFFL SIR NOPR 2 20181217T172001 20181217T172149 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records.
CS_OFFL_SIR_NOPR_2_20181217T183939_20181217T183944_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS OFFL SIR NOPR 2 20181217T195404 20181217T195607 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
03_0FFL_3IR_INOPR_2_2010121/1193404_2010121/119560/_0001	Backscatter Averaging Status	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. 48

Number of products with errors: