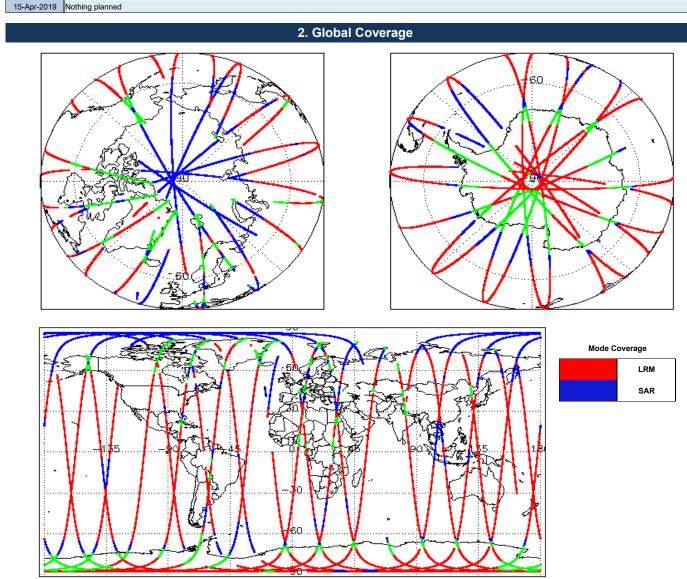


IDEAS+ Daily Report for NOP data:

<u>14/04/2019</u>

port Production:	15-Apr-2019	Check	L1 & L2
Report Production.		Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal
Processor Used:		Product Software Check	Nominal
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	Product Format Check	Nominal
Data Used:		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 and 5.5
		Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7
		Ocean Retracking Quality Check	See Section 5.8

13-Apr-2019	None
14-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 pro-	e-determined baseline and also to ch	neck the validity of Auxiliary Data Files is correct.
Dynamic Atmospheric Correction: The DAC is missing in all products becau	use the auxiliary files required are no	t available in time for processing. This known and expected behaviour.
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 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 measurer	ment record. The bit value of this flag	indicates any problems when set.
Attitude Correction Missing: This flag is currently set in error for NOPR proc	lucts due to a configuration issue. Th	is is being investigated and will be updated in the next SW update.
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20190414T024238_20190414T024805_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more
	-	records
4.6 L1B Waveform Group Data Check		
CryoSat L1B data includes a waveform data flag for each measurement recor	d. 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: 7		
Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20190414T095443_20190414T100433_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20190414T141348_20190414T142919_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190414T003511_20190414T003852_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190414T012813_20190414T012907_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190414T035325_20190414T035536_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190414T084548_20190414T084640_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190414T151359_20190414T151501_C001	Loss of Echo	The tracking echo is missing for one or more records
5. N	OP Level 2 Data Qual	lity Check
5.1 L2 Product Format Check		·
Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors: 0	ensure it consists of both an XML he	ader file (.HDR) and a binary product file (.DBL).
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 incons	istencies 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 pr	e-determined baseline and also to ch	neck 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 (32)	767).
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:

Product

CS_OFFL_SIR_NOPM_2_20190414T024238_20190414T024805_C001

Test Failed Power scaling error

Description There is an error in the scaling of the L2 waveform for one or more records

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. 67

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190413T235054_20190414T002332_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T004011_20190414T004710_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T004728_20190414T011142_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T012117_20190414T012312_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_NOPM_2_20190414T012522_20190414T012813_C001 CS OFFL SIR NOPM 2 20190414T013001 20190414T015842 C001 CS_OFFL_SIR_NOPM_2_20190414T022025_20190414T022241_C001 CS_OFFL_SIR_NOPM_2_20190414T022409_20190414T023620_C001 CS OFFL SIR NOPM 2 20190414T025146 20190414T025341 C001 CS OFFL SIR NOPM 2 20190414T025954 20190414T030230 C001 CS OFFL SIR NOPM 2 20190414T030250 20190414T030717 C001 CS OFFL SIR NOPM 2 20190414T030916 20190414T032402 C001 CS_OFFL_SIR_NOPM_2_20190414T032542_20190414T032825_C001 CS_OFFL_SIR_NOPM_2_20190414T041108_20190414T043508_C001 CS OFFL SIR NOPM 2 20190414T043742 20190414T044628 C001 CS_OFFL_SIR_NOPM_2_20190414T044849_20190414T051242_C001 CS OFFL SIR NOPM 2 20190414T053943 20190414T061358 C001 CS_OFFL_SIR_NOPM_2_20190414T061957_20190414T062420_C001 CS_OFFL_SIR_NOPM_2_20190414T072117_20190414T073614_C001 CS OFFL SIR NOPM 2 20190414T074148 20190414T075314 C001 CS_OFFL_SIR_NOPM_2_20190414T075911_20190414T080458_C001 CS_OFFL_SIR_NOPM_2_20190414T080630_20190414T081243_C001 CS_OFFL_SIR_NOPM_2_20190414T081512_20190414T082504_C001 CS_OFFL_SIR_NOPM_2_20190414T085744_20190414T093207_C001 CS_OFFL_SIR_NOPM_2_20190414T093816_20190414T094329_C001 CS OFFL SIR NOPM 2 20190414T094520 20190414T094815 C001 CS OFFL SIR NOPM 2 20190414T095015 20190414T095440 C001 CS OFFL SIR NOPM 2 20190414T095443 20190414T100433 C001 CS OFFL SIR NOPM 2 20190414T102047 20190414T102341 C001 CS OFFL SIR NOPM 2 20190414T103731 20190414T104624 C001 CS_OFFL_SIR_NOPM_2_20190414T104910_20190414T111056_C001 CS_OFFL_SIR_NOPM_2_20190414T111642_20190414T111816_C001 CS_OFFL_SIR_NOPM_2_20190414T111823_20190414T112233_C001 CS OFFL SIR NOPM 2 20190414T112442 20190414T114255 C001 CS_OFFL_SIR_NOPM_2_20190414T121804_20190414T125002_C001 CS_OFFL_SIR_NOPM_2_20190414T125149_20190414T125715_C001 CS OFFL SIR NOPM_2_20190414T125721_20190414T125728_C001 CS_OFFL_SIR_NOPM_2_20190414T125734_20190414T130000_C001 CS_OFFL_SIR_NOPM_2_20190414T130818_20190414T132046_C001 CS OFFL SIR NOPM 2 20190414T132132 20190414T133833 C001 CS_OFFL_SIR_NOPM_2_20190414T140016_20190414T141144_C001 CS_OFFL_SIR_NOPM_2_20190414T141348_20190414T142919_C001 CS OFFL SIR NOPM 2 20190414T143116 20190414T143612 C001 CS OFFL SIR NOPM 2 20190414T143632 20190414T143644 C001 CS_OFFL_SIR_NOPM_2_20190414T144510_20190414T145732_C001 CS_OFFL_SIR_NOPM_2_20190414T150213_20190414T151359_C001 CS_OFFL_SIR_NOPM_2_20190414T155310_20190414T160811_C001 CS OFFL SIR NOPM 2 20190414T161042 20190414T161525 C001 CS_OFFL_SIR_NOPM_2_20190414T162138_20190414T164844_C001 CS_OFFL_SIR_NOPM_2_20190414T185737_20190414T192722_C001 CS OFFL SIR NOPM 2 20190414T192858 20190414T193353 C001 CS_OFFL_SIR_NOPM_2_20190414T194051_20190414T195207_C001 CS_OFFL_SIR_NOPM_2_20190414T195741_20190414T201535_C001 CS OFFL SIR NOPM 2 20190414T202852 20190414T202915 C001 CS_OFFL_SIR_NOPM_2_20190414T210044_20190414T210206_C001 Ice Range Averaging Status Ocean 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 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 Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice 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 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 Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status

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

CS_OFFL_SIR_NOPM_2_20190414T210406_20190414T210701_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T210856_20190414T211424_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T212012_20190414T215352_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T220720_20190414T220855_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T222638_20190414T224606_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T225916_20190414T233249_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T234736_20190414T234745_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190414T021900_20190414T022025_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190414T044628_20190414T044827_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190414T012938_20190414T013001_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190414T083538_20190414T083654_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190414T151748_20190414T151840_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. 69

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190413T235054_20190414T002332_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_20190414T004011_20190414T004710_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_20190414T004728_20190414T011142_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_20190414T012117_20190414T012312_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T012522_20190414T012813_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T013001_20190414T015842_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_20190414T021511_20190414T021900_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T022409_20190414T023620_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_20190414T025146_20190414T025341_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_20190414T025954_20190414T030230_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T030250_20190414T030717_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T030916_20190414T032402_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_20190414T032542_20190414T032825_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_20190414T040235_20190414T040825_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_20190414T041108_20190414T043508_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_20190414T043742_20190414T044628_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T044849_20190414T051242_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_20190414T053943_20190414T061358_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_20190414T061957_20190414T062420_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T072117_20190414T073614_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_20190414T074148_20190414T075314_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_20190414T075911_20190414T080458_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T080630_20190414T081243_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_20190414T081512_20190414T082504_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_20190414T085744_20190414T093207_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_20190414T093816_20190414T094329_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190414T094520_20190414T094815_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_20190414T095015_20190414T095440_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_20190414T095443_20190414T100433_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_20190414T102047_20190414T102341_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_20190414T103731_20190414T104624_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_20190414T104910_20190414T111056_C001 CS OFFL SIR NOPM 2 20190414T111642 20190414T111816 C001 CS_OFFL_SIR_NOPM_2_20190414T111823_20190414T112233_C001 CS_OFFL_SIR_NOPM_2_20190414T112442_20190414T114255_C001 CS_OFFL_SIR_NOPM_2_20190414T121804_20190414T125002_C001 CS_OFFL_SIR_NOPM_2_20190414T125149_20190414T125715_C001 CS OFFL SIR NOPM 2 20190414T125721 20190414T125728 C001 CS OFFL SIR NOPM 2 20190414T125734 20190414T130000 C001 CS_OFFL_SIR_NOPM_2_20190414T130818_20190414T132046_C001 CS_OFFL_SIR_NOPM_2_20190414T132132_20190414T133833_C001 CS_OFFL_SIR_NOPM_2_20190414T140016_20190414T141144_C001 CS_OFFL_SIR_NOPM_2_20190414T141348_20190414T142919_C001 CS OFFL SIR NOPM 2 20190414T143116 20190414T143612 C001 CS_OFFL_SIR_NOPM_2_20190414T143632_20190414T143644_C001 CS_OFFL_SIR_NOPM_2_20190414T144510_20190414T145732_C001 CS OFFL SIR NOPM 2 20190414T150213 20190414T151359 C001 CS_OFFL_SIR_NOPM_2_20190414T155310_20190414T160811_C001 CS_OFFL_SIR_NOPM_2_20190414T161042_20190414T161525_C001 CS_OFFL_SIR_NOPM_2_20190414T162138_20190414T164844_C001 CS_OFFL_SIR_NOPM_2_20190414T185737_20190414T192722_C001 CS_OFFL_SIR_NOPM_2_20190414T192858_20190414T193353_C001 CS OFFL SIR NOPM 2 20190414T194051 20190414T195207 C001 CS_OFFL_SIR_NOPM_2_20190414T195741_20190414T201535_C001 CS OFFL SIR NOPM 2 20190414T202852 20190414T202915 C001 CS OFFL SIR NOPM 2 20190414T210044 20190414T210206 C001 CS_OFFL_SIR_NOPM_2_20190414T210406_20190414T210701_C001 CS_OFFL_SIR_NOPM_2_20190414T210856_20190414T211424_C001 CS_OFFL_SIR_NOPM_2_20190414T212012_20190414T215352_C001 CS_OFFL_SIR_NOPM_2_20190414T220720_20190414T220855_C001 CS OFFL SIR NOPM 2 20190414T222638 20190414T224606 C001 CS_OFFL_SIR_NOPM_2_20190414T224816_20190414T225321_C001 CS_OFFL_SIR_NOPM_2_20190414T225916_20190414T233249_C001 CS OFFL SIR NOPM_2_20190414T234736_20190414T234745_C001 CS_OFFL_SIR_NOPN_2_20190414T021900_20190414T022025_C001 CS_OFFL_SIR_NOPN_2_20190414T044628_20190414T044827_C001 CS OFFL SIR NOPR 2 20190414T012938 20190414T013001 C001 CS_OFFL_SIR_NOPR_2_20190414T083538_20190414T083654_C001 CS OFFL SIR NOPR 2 20190414T151748 20190414T151840 C001

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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.

Backscatter Averaging Status

SWH Averaging Status, Ocean

Backscatter Averaging Status

Number of products with errors: