

IDEAS+ Daily Report for NOP data:

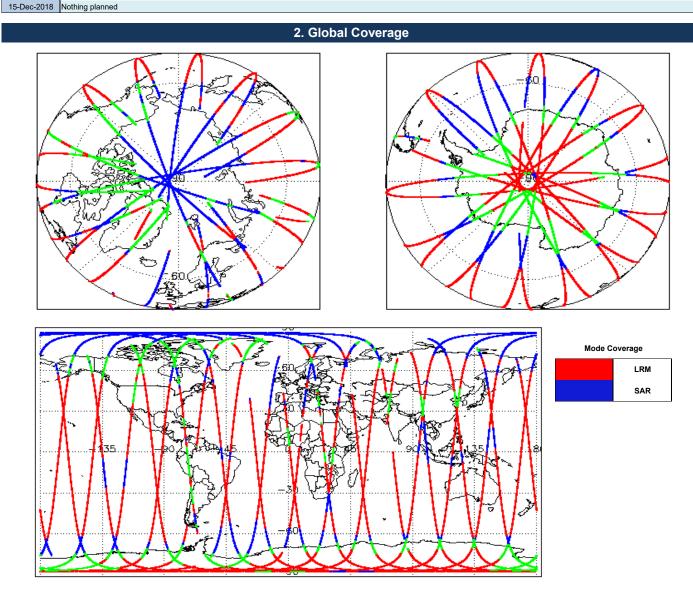
14/12/2018



1. Overview						
Report Production:	17-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				
		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

13-Dec-2018 SIRAL unavailability on 13-Dec-2018 from 08:33:44 to 10:19:43 due to a planned orbit manoeuvre and from 13:54:52 to 14:14:48 due to planned on-board maintanance. 14-Dec-2018 None



3. Instrument Configuration

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

SIRAL - A

0

SIRAL instrument(s) in use:

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

4.3 L1B Auxilary Data File Usage Check						
Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.						
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 measurem	nent record. The bit value of this t	flag indicates any problems when set.				
ttitude Correction Missing: This flag is currently set in error for NOPR production	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						
Number of products with errors: 0						
4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag for each measurement record coss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 20	0					
4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag for each measurement record coss of Echo Flag: This flag is currently set for products over land, but this is Jumber of products with errors: 20 Product	to be expected.	es any problems when set.				
I.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag for each measurement record coss of Echo Flag: This flag is currently set for products over land, but this is lumber of products with errors: 20 Product CS_OFFL_SIR_NOPM1B_20181214T080549_20181214T082109_C001	to be expected.	Description				
I.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag for each measurement record coss of Echo Flag: This flag is currently set for products over land, but this is lumber of products with errors: 20 Product CS_OFFL_SIR_NOPM1B_20181214T080549_20181214T082109_C001 CS_OFFL_SIR_NOPM1B_20181214T082310_20181214T083233_C001	to be expected. Test Failed Loss of Echo	Description The tracking echo is missing for one or more records				
4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag for each measurement record coss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 20 Product 20 ScoFFL_SIR_NOPM1B_20181214T080549_20181214T0822109_C001 CS_OFFL_SIR_NOPM1B_20181214T082310_20181214T083233_C001 CS_OFFL_SIR_NOPM1B_20181214T082310_20181214T083233_C001	to be expected. Test Failed Loss of Echo Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records				
4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag for each measurement record coss of Echo Flag: This flag is currently set for products over land, but this is Number of products with errors: 20 Product 20 CS_OFFL_SIR_NOPM1B_20181214T080549_20181214T082109_C001 CS_OFFL_SIR_NOPM1B_20181214T082310_20181214T083233_C001 CS_OFFL_SIR_NOPM1B_20181214T203801_20181214T204828_C001 CS_OFFL_SIR_NOPM1B_20181214T071032_20181214T071509_C001	to be expected. Test Failed Loss of Echo Loss of Echo Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records				
4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag for each measurement record .oss of Echo Flag: This flag is currently set for products over land, but this is	to be expected. Test Failed Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records				

5. NOP Level 2 Data Quality Check

5.1 L2 Product Format Check

CS_OFFL_SIR_NOPN1B_20181214T135059_20181214T135522_C001

CS_OFFL_SIR_NOPN1B_20181214T201834_20181214T202056_C001

CS_OFFL_SIR_NOPN1B_20181214T215505_20181214T215936_C001

CS_OFFL_SIR_NOPR1B_20181214T035709_20181214T040032_C001

CS_OFFL_SIR_NOPR1B_20181214T044349_20181214T044658_C001

CS_OFFL_SIR_NOPR1B_20181214T074850_20181214T075415_C001

CS OFFL SIR NOPR1B 20181214T111025 20181214T111141 C001

CS_OFFL_SIR_NOPR1B_20181214T120413_20181214T120901_C001

CS_OFFL_SIR_NOPR1B_20181214T150856_20181214T150933_C001

CS_OFFL_SIR_NOPR1B_20181214T152156_20181214T152955_C001

CS_OFFL_SIR_NOPR1B_20181214T170231_20181214T171222_C001

CS_OFFL_SIR_NOPR1B_20181214T174606_20181214T174743_C001

CS OFFL SIR NOPR1B 20181214T201533 20181214T201804 C001

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

Loss of Echo

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

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The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).

Number of products with errors:

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

5.6 L2 Range Measurement Check

CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are two common status flags raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

ean 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. 79

Number of products with errors:

Product Test Faile Description The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T003934_20181214T011336_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T011610_20181214T012112_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20181214T012917 20181214T013919 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20181214T014456 20181214T020228 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20181214T021540 20181214T021708 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20181214T022612 20181214T023445 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T024758_20181214T025150_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20181214T025609 20181214T030143 C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20181214T030826 20181214T034122 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T035444_20181214T035548_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T041414_20181214T043041_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFEL_SIR_NOPM_2_20181214T043530_20181214T044038_C001 Ice Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T044658_20181214T052051_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T054515_20181214T054936_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20181214T055032 20181214T060810 C001 Ocean Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T062653_20181214T064223_C001 Ocean Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T064227_20181214T064454_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20181214T064840 20181214T065701 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20181214T071541 20181214T073338 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T073458_20181214T074850_C001 Ocean Range Averaging Status ecords The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20181214T075651 20181214T075851 C001 Ice Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T080000_20181214T080352_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20181214T080549 20181214T082109 C001 Ocean Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T082310_20181214T083233_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T085044_20181214T085156_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20181214T085525 20181214T085652 C001 Ocean Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T085823_20181214T091139_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T092745_20181214T093107_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20181214T094534 20181214T100015 C001 Ocean Range Averaging Status ecords. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T103744_20181214T104644_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T104652_20181214T111025_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T111603_20181214T112141_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T112510_20181214T114140_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T122106_20181214T122319_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20181214T122323 20181214T123238 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T123815_20181214T124827_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T130355_20181214T133230_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T133932_20181214T134133_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20181214T135522 20181214T142739 C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20181214T143448 20181214T144021 C001 Ice Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T144331_20181214T144807_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T151915_20181214T152134_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20181214T153412 20181214T160730 C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T161351_20181214T161903_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20181214T162342_20181214T164044_C001 Ocean Range Averaging Status records

CS_OFFL_SIR_NOPM_2_20181214T171222_20181214T174605_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T175035_20181214T175350_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T175357_20181214T175404_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T175408_20181214T175805_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T180250_20181214T182905_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T183758_20181214T184031_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T185215_20181214T190327_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T190809_20181214T190958_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T191000_20181214T192532_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T192731_20181214T193249_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T193308_20181214T193507_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T194336_20181214T195624_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T195838_20181214T201203_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T201216_20181214T201533_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T203801_20181214T204828_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T205008_20181214T210416_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T210656_20181214T211200_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T211224_20181214T211339_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T212030_20181214T212128_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T212955_20181214T213216_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T214338_20181214T215014_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T222159_20181214T222440_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T222640_20181214T224312_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T224701_20181214T225116_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T225137_20181214T225323_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T225750_20181214T233210_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20181214T135059_20181214T135522_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20181214T161032_20181214T161351_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20181214T170114_20181214T170231_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20181214T215049_20181214T215211_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20181214T030502_20181214T030826_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20181214T130255_20181214T130354_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20181214T185130_20181214T185215_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20181214T215501_20181214T215505_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. 79

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20181214T003934_20181214T011336_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_20181214T011610_20181214T012112_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T012917_20181214T013919_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_20181214T014456_20181214T020228_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_20181214T021540_20181214T021708_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_20181214T022612_20181214T023445_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_20181214T024758_20181214T025150_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_20181214T025609_20181214T030143_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T030826_20181214T034122_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_20181214T035444_20181214T035548_C001 CS OFFL SIR NOPM 2 20181214T041414 20181214T043041 C001 CS_OFFL_SIR_NOPM_2_20181214T043530_20181214T044038_C001 CS_OFFL_SIR_NOPM_2_20181214T044658_20181214T052051_C001 CS_OFFL_SIR_NOPM_2_20181214T054515_20181214T054936_C001 CS_OFFL_SIR_NOPM_2_20181214T055032_20181214T060810_C001 CS OFFL SIR NOPM 2 20181214T062653 20181214T064223 C001 CS OFFL SIR NOPM 2 20181214T064227 20181214T064454 C001 CS_OFFL_SIR_NOPM_2_20181214T064840_20181214T065701_C001 CS_OFFL_SIR_NOPM_2_20181214T071541_20181214T073338_C001 CS_OFFL_SIR_NOPM_2_20181214T073458_20181214T074850_C001 CS_OFFL_SIR_NOPM_2_20181214T075651_20181214T075851_C001 CS OFFL SIR NOPM 2 20181214T080000 20181214T080352 C001 CS_OFFL_SIR_NOPM_2_20181214T080549_20181214T082109_C001 CS_OFFL_SIR_NOPM_2_20181214T082310_20181214T083233_C001 CS OFFL SIR NOPM 2 20181214T085044 20181214T085156 C001 CS_OFFL_SIR_NOPM_2_20181214T085525_20181214T085652_C001 CS_OFFL_SIR_NOPM_2_20181214T085823_20181214T091139_C001 CS OFFL SIR NOPM 2 20181214T092745 20181214T093107 C001 CS_OFFL_SIR_NOPM_2_20181214T094534_20181214T100015_C001 CS_OFFL_SIR_NOPM_2_20181214T103744_20181214T104644_C001 CS OFFL SIR NOPM 2 20181214T104652 20181214T111025 C001 CS_OFFL_SIR_NOPM_2_20181214T111330_20181214T111539_C001 CS OFFL SIR NOPM 2 20181214T111603 20181214T112141 C001 CS OFFL SIR NOPM 2 20181214T112510 20181214T114140 C001 CS_OFFL_SIR_NOPM_2_20181214T122106_20181214T122319_C001 CS_OFFL_SIR_NOPM_2_20181214T122323_20181214T123238_C001 CS_OFFL_SIR_NOPM_2_20181214T123815_20181214T124827_C001 CS_OFFL_SIR_NOPM_2_20181214T130355_20181214T133230_C001 CS OFFL SIR NOPM 2 20181214T133932 20181214T134133 C001 CS_OFFL_SIR_NOPM_2_20181214T135522_20181214T142739_C001 CS_OFFL_SIR_NOPM_2_20181214T143448_20181214T144021_C001 CS OFFL SIR NOPM 2 20181214T144331 20181214T144807 C001 CS_OFFL_SIR_NOPM_2_20181214T151915_20181214T152134_C001 CS_OFFL_SIR_NOPM_2_20181214T153412_20181214T160730_C001 CS_OFFL_SIR_NOPM_2_20181214T161351_20181214T161903_C001 CS_OFFL_SIR_NOPM_2_20181214T162342_20181214T164044_C001 CS OFFL SIR NOPM 2 20181214T171222 20181214T174605 C001 CS OFFL SIR NOPM 2 20181214T175035 20181214T175350 C001 CS_OFFL_SIR_NOPM_2_20181214T175357_20181214T175404_C001 CS_OFFL_SIR_NOPM_2_20181214T175408_20181214T175805_C001 CS OFFL SIR NOPM 2 20181214T180250 20181214T182905 C001 CS_OFFL_SIR_NOPM_2_20181214T183758_20181214T184031_C001 CS_OFFL_SIR_NOPM_2_20181214T185215_20181214T190327_C001 CS_OFFL_SIR_NOPM_2_20181214T190809_20181214T190958_C001 CS_OFFL_SIR_NOPM_2_20181214T191000_20181214T192532_C001 CS OFFL SIR NOPM 2 20181214T192731 20181214T193249 C001 CS_OFFL_SIR_NOPM_2_20181214T193308_20181214T193507_C001 CS_OFFL_SIR_NOPM_2_20181214T194336_20181214T195624_C001 CS OFFL SIR NOPM 2 20181214T195838 20181214T201203 C001 CS_OFFL_SIR_NOPM_2_20181214T201216_20181214T201533_C001 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 SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean 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 SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status

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

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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.

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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.

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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 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.

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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 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.

CS_OFFL_SIR_NOPM_2_20181214T203801_20181214T204828_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_20181214T205008_20181214T210416_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_20181214T210656_20181214T211200_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T211224_20181214T211339_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T212955_20181214T213216_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_20181214T214338_20181214T215014_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_20181214T222159_20181214T222440_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_20181214T222640_20181214T224312_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_20181214T224701_20181214T225116_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T225137_20181214T225323_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20181214T225750_20181214T233210_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_NOPN_2_20181214T135059_20181214T135522_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_NOPN_2_20181214T161032_20181214T161351_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20181214T170114_20181214T170231_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_NOPN_2_20181214T215049_20181214T215211_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_20181214T030502_20181214T030826_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_20181214T130255_20181214T130354_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_20181214T185130_20181214T185215_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_20181214T215501_20181214T215505_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.

56

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: