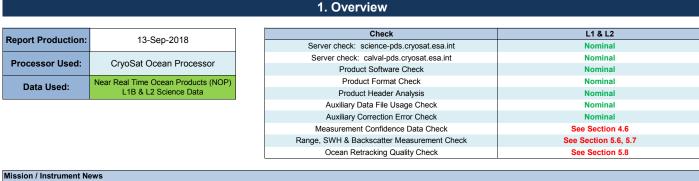


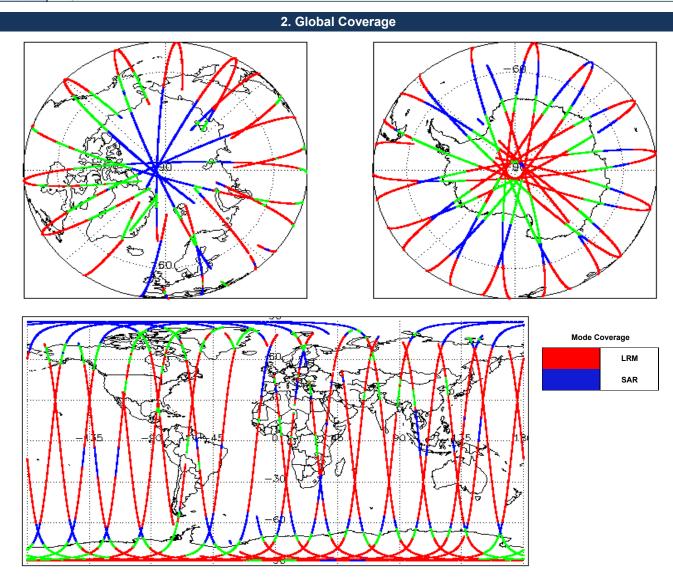
IDEAS+ Daily Report for NOP data:

<u>12/09/2018</u>



11-Sep-2018None12-Sep-2018None

13-Sep-2018 Nothing planned



3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

0

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

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

 Number of products with errors:
 0

Each product is checked for missing Data Set Descriptors with respect to a pre-							
	-determined baseline and also to	check the validity of Auxiliary Data Files is correct.					
Number of products with errors: 0							
4.4 L1B Auxiliary Correction Error Check							
CryoSat L1B data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set.							
Number of products with errors: 0							
4.5 L1B Measurement Confidence Data Check							
CryoSat L1B data includes a measurement confidence flag for each measurement	ent record. The bit value of this fla	ag indicates any problems when set.					
Attitude Correction Missing: This flag is currently set in error for NOPR produ	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		4.6 L1B Waveform Group Data Check					
CryoSat L1B data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.							
CryoSat L1B data includes a waveform data flag for each measurement record.	. The bit value of this flag indicate	s any problems when set.					
CryoSat L1B data includes a waveform data flag for each measurement record. Loss of Echo Flag: This flag is currently set for products over land, but this is t	-	s any problems when set.					
Loss of Echo Flag: This flag is currently set for products over land, but this is t	-	s any problems when set.					
Loss of Echo Flag: This flag is currently set for products over land, but this is t lumber of products with errors: 16	-	s any problems when set. Description					
Loss of Echo Flag: This flag is currently set for products over land, but this is t Number of products with errors: 16 Product	to be expected.						
Loss of Echo Flag: This flag is currently set for products over land, but this is t Number of products with errors: 16 Product 0 CS_OFFL_SIR_NOPM1B_20180912T011153_20180912T012739_C001	to be expected.	Description					
Loss of Echo Flag: This flag is currently set for products over land, but this is the set of products with errors: 16 Product CS_OFFL_SIR_NOPM1B_20180912T011153_20180912T012739_C001 CS_OFFL_SIR_NOPM1B_20180912T162200_20180912T162459_C001	to be expected. Test Failed Loss of Echo	Description The tracking echo is missing for one or more records					
Loss of Echo Flag: This flag is currently set for products over land, but this is to the set of products with errors: 16 Product 16 CS_OFFL_SIR_NOPM1B_20180912T011153_20180912T012739_C001 1000000000000000000000000000000000000	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					
Loss of Echo Flag: This flag is currently set for products over land, but this is t	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					
Loss of Echo Flag: This flag is currently set for products over land, but this is t Number of products with errors: 16 Product 16 CS_OFFL_SIR_NOPM1B_20180912T011153_20180912T012739_C001 16 CS_OFFL_SIR_NOPM1B_20180912T162200_20180912T162459_C001 16 CS_OFFL_SIR_NOPM1B_20180912T162200_20180912T162459_C001 16 CS_OFFL_SIR_NOPM1B_20180912T033035_20180912T234721_C001 16 CS_OFFL_SIR_NOPM1B_20180912T033151_20180912T03406_C001 16	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					

5. NOP Level 2 Data Quality Check

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

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

5.1 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:

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:

Loss of Echo

5.3 L2 Auxiliary Data File Usage Check

CS_OFFL_SIR_NOPN1B_20180912T145121_20180912T145343_C001

CS_OFFL_SIR_NOPN1B_20180912T145404_20180912T145546_C001

CS_OFFL_SIR_NOPN1B_20180912T162459_20180912T162516_C001

CS_OFFL_SIR_NOPN1B_20180912T181307_20180912T181822_C001

CS_OFFL_SIR_NOPN1B_20180912T193150_20180912T193354_C001

CS_OFFL_SIR_NOPN1B_20180912T194104_20180912T194155_C001

CS OFFL SIR NOPN1B 20180912T194341 20180912T194437 C001

CS_OFFL_SIR_NOPR1B_20180912T005014_20180912T005536_C001

CS_OFFL_SIR_NOPR1B_20180912T063614_20180912T063646_C001

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.

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. 75

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180912T000220_20180912T001645_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T001709_20180912T003809_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_NOPM_2_20180912T004051_20180912T004557_C001 CS OFFL SIR NOPM 2 20180912T005537 20180912T010534 C001 CS_OFFL_SIR_NOPM_2_20180912T011153_20180912T012739_C001 CS_OFFL_SIR_NOPM_2_20180912T014101_20180912T020144_C001 CS OFFL SIR NOPM 2 20180912T020324 20180912T021648 C001 CS OFFL SIR NOPM 2 20180912T022008 20180912T022508 C001 CS OFFL SIR NOPM 2 20180912T023324 20180912T025244 C001 CS OFFL SIR NOPM 2 20180912T025247 20180912T025531 C001 CS_OFFL_SIR_NOPM_2_20180912T025653_20180912T030833_C001 CS OFFL SIR NOPM 2 20180912T033426 20180912T035501 C001 CS OFFL SIR NOPM 2 20180912T040048 20180912T040425 C001 CS_OFFL_SIR_NOPM_2_20180912T041151_20180912T043726_C001 CS OFFL SIR NOPM 2 20180912T051038 20180912T053457 C001 CS_OFFL_SIR_NOPM_2_20180912T053830_20180912T054338_C001 CS_OFFL_SIR_NOPM_2_20180912T054345_20180912T054712_C001 CS OFFL SIR NOPM 2 20180912T055113 20180912T060142 C001 CS OFFL SIR NOPM 2 20180912T060720 20180912T062425 C001 CS_OFFL_SIR_NOPM_2_20180912T063647_20180912T064355_C001 CS_OFFL_SIR_NOPM_2_20180912T064712_20180912T065450_C001 CS_OFFL_SIR_NOPM_2_20180912T071020_20180912T071407_C001 CS_OFFL_SIR_NOPM_2_20180912T071829_20180912T072411_C001 CS OFFL SIR NOPM 2 20180912T073158 20180912T080359 C001 CS_OFFL_SIR_NOPM_2_20180912T080701_20180912T080739_C001 CS OFFL SIR NOPM 2 20180912T081537 20180912T081802 C001 CS OFFL SIR NOPM 2 20180912T083644 20180912T085224 C001 CS OFFL SIR NOPM 2 20180912T085755 20180912T090305 C001 CS_OFFL_SIR_NOPM_2_20180912T091013_20180912T094531_C001 CS_OFFL_SIR_NOPM_2_20180912T095509_20180912T095727_C001 CS_OFFL_SIR_NOPM_2_20180912T101259_20180912T103109_C001 CS OFFL SIR NOPM 2 20180912T103955 20180912T104207 C001 CS_OFFL_SIR_NOPM_2_20180912T104947_20180912T112529_C001 CS_OFFL_SIR_NOPM_2_20180912T113726_20180912T115639_C001 CS OFFL SIR NOPM_2_20180912T115723_20180912T121040_C001 CS_OFFL_SIR_NOPM_2_20180912T121918_20180912T122115_C001 CS_OFFL_SIR_NOPM_2_20180912T122242_20180912T122617_C001 CS OFFL SIR NOPM 2 20180912T122850 20180912T124338 C001 CS_OFFL_SIR_NOPM_2_20180912T124539_20180912T125502_C001 CS_OFFL_SIR_NOPM_2_20180912T131312_20180912T131446_C001 CS OFFL SIR NOPM 2 20180912T131712 20180912T133423 C001 CS OFFL SIR NOPM 2 20180912T135036 20180912T135145 C001 CS_OFFL_SIR_NOPM_2_20180912T140046_20180912T140518_C001 CS_OFFL_SIR_NOPM_2_20180912T140827_20180912T142207_C001 CS_OFFL_SIR_NOPM_2_20180912T145659_20180912T145917_C001 CS OFFL SIR NOPM 2 20180912T150041 20180912T150752 C001 CS_OFFL_SIR_NOPM_2_20180912T150822_20180912T153204_C001 CS_OFFL_SIR_NOPM_2_20180912T153552_20180912T153807_C001 CS OFFL SIR NOPM 2 20180912T153812 20180912T154414 C001 CS_OFFL_SIR_NOPM_2_20180912T154811_20180912T161240_C001 CS_OFFL_SIR_NOPM_2_20180912T162517_20180912T162529_C001 CS OFFL SIR NOPM 2 20180912T164438 20180912T165503 C001 CS_OFFL_SIR_NOPM_2_20180912T170037_20180912T171114_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 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 Ice 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 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 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 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

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 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 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 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 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 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 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 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 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 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_20180912T171803_20180912T172217_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T172740_20180912T175523_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T181822_20180912T183417_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T183756_20180912T184846_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T185714_20180912T190255_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T190640_20180912T191036_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T194155_20180912T194341_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T195623_20180912T202857_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T203618_20180912T204129_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T204706_20180912T210303_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T212108_20180912T212224_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T213304_20180912T220805_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T221623_20180912T222036_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T230128_20180912T230255_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T231137_20180912T232555_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T233035_20180912T234721_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T234956_20180912T235515_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180912T040425_20180912T040431_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180912T054339_20180912T054345_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180912T080359_20180912T080620_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180912T053458_20180912T053656_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180912T212224_20180912T212352_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. 73

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180912T000220_20180912T001645_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_20180912T001709_20180912T003809_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_20180912T004051_20180912T004557_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T005537_20180912T010534_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_20180912T011153_20180912T012739_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_20180912T013041_20180912T013140_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_20180912T014101_20180912T020144_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_20180912T020324_20180912T021648_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_20180912T022008_20180912T022508_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T023324_20180912T025244_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_20180912T025247_20180912T025531_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_20180912T025653_20180912T030833_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_20180912T033426_20180912T035501_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_20180912T040048_20180912T040425_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T041151_20180912T043726_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_20180912T051038_20180912T053457_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_20180912T053830_20180912T054338_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T054345_20180912T054712_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180912T055113_20180912T060142_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_20180912T060720_20180912T062425_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_20180912T063647_20180912T064355_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_20180912T071020_20180912T071407_C001 CS OFFL SIR NOPM 2 20180912T071829 20180912T072411 C001 CS_OFFL_SIR_NOPM_2_20180912T073158_20180912T080359_C001 CS_OFFL_SIR_NOPM_2_20180912T080701_20180912T080739_C001 CS OFFL SIR NOPM 2 20180912T081537 20180912T081802 C001 CS_OFFL_SIR_NOPM_2_20180912T083644_20180912T085224_C001 CS OFFL SIR NOPM 2 20180912T085755 20180912T090305 C001 CS OFFL SIR NOPM 2 20180912T091013 20180912T094531 C001 CS_OFFL_SIR_NOPM_2_20180912T095509_20180912T095727_C001 CS_OFFL_SIR_NOPM_2_20180912T101259_20180912T103109_C001 CS OFFL SIR NOPM 2 20180912T103955 20180912T104207 C001 CS_OFFL_SIR_NOPM_2_20180912T104947_20180912T112529_C001 CS OFFL SIR NOPM 2 20180912T113726 20180912T115639 C001 CS_OFFL_SIR_NOPM_2_20180912T115723_20180912T121040_C001 CS_OFFL_SIR_NOPM_2_20180912T121918_20180912T122115_C001 CS OFFL SIR NOPM 2 20180912T122242 20180912T122617 C001 CS_OFFL_SIR_NOPM_2_20180912T122850_20180912T124338_C001 CS_OFFL_SIR_NOPM_2_20180912T124539_20180912T125502_C001 CS_OFFL_SIR_NOPM_2_20180912T131312_20180912T131446_C001 CS_OFFL_SIR_NOPM_2_20180912T131712_20180912T133423_C001 CS_OFFL_SIR_NOPM_2_20180912T135737_20180912T140041_C001 CS OFFL SIR NOPM 2 20180912T140046 20180912T140518 C001 CS OFFL SIR NOPM 2 20180912T140827 20180912T142207 C001 CS OFFL SIR NOPM 2 20180912T145659 20180912T145917 C001 CS OFFL SIR NOPM 2 20180912T150041 20180912T150752 C001 CS_OFFL_SIR_NOPM_2_20180912T150822_20180912T153204_C001 CS_OFFL_SIR_NOPM_2_20180912T153552_20180912T153807_C001 CS_OFFL_SIR_NOPM_2_20180912T153812_20180912T154414_C001 CS_OFFL_SIR_NOPM_2_20180912T154811_20180912T161240_C001 CS OFFL SIR NOPM 2 20180912T162517 20180912T162529 C001 CS_OFFL_SIR_NOPM_2_20180912T164438_20180912T165503_C001 CS_OFFL_SIR_NOPM_2_20180912T170037_20180912T171114_C001 CS OFFL SIR NOPM 2 20180912T171803 20180912T172217 C001 CS_OFFL_SIR_NOPM_2_20180912T172740_20180912T175523_C001 CS_OFFL_SIR_NOPM_2_20180912T181822_20180912T183417_C001 CS OFFL SIR NOPM 2 20180912T183756 20180912T184846 C001 CS_OFFL_SIR_NOPM_2_20180912T185714_20180912T190255_C001 CS_OFFL_SIR_NOPM_2_20180912T190640_20180912T191036_C001 CS OFFL SIR NOPM 2 20180912T194155 20180912T194341 C001 CS_OFFL_SIR_NOPM_2_20180912T195623_20180912T202857_C001 CS_OFFL_SIR_NOPM_2_20180912T203618_20180912T204129_C001 CS OFFL SIR NOPM 2 20180912T204706 20180912T210303 C001 CS_OFFL_SIR_NOPM_2_20180912T213304_20180912T220805_C001 CS_OFFL_SIR_NOPM_2_20180912T221623_20180912T222036_C001 CS_OFFL_SIR_NOPM_2_20180912T231137_20180912T232555_C001 CS_OFFL_SIR_NOPM_2_20180912T233035_20180912T234721_C001 CS OFFL SIR NOPM 2 20180912T234956 20180912T235515 C001 CS_OFFL_SIR_NOPN_2_20180912T040425_20180912T040431_C001 CS_OFFL_SIR_NOPN_2_20180912T054339_20180912T054345_C001 CS OFFL SIR NOPN 2 20180912T080359 20180912T080620 C001 CS_OFFL_SIR_NOPR_2_20180912T053458_20180912T053656_C001

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 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 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 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 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

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Backscatter Averaging Status

SWH Averaging Status, Ocean

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 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 record: 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 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 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 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. The SWH and Ocean Averaging Status Flags have been set for one or more record 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 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 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 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

SWH Averaging Status, Ocean Backscatter Averaging Status

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.

58

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: