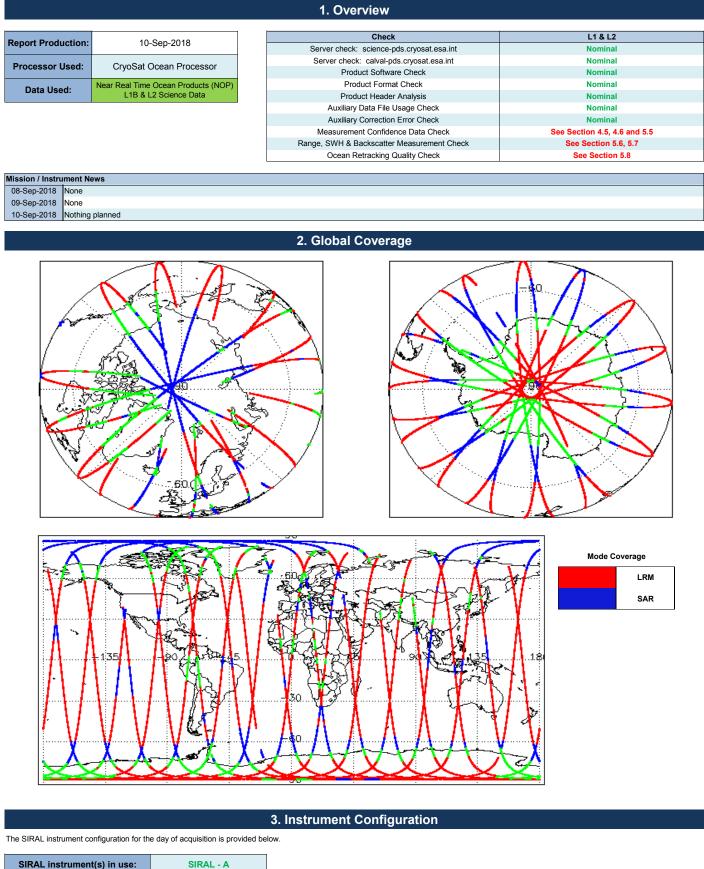


IDEAS+ Daily Report for NOP data:

09/09/2018





4. NOP Level 1B Data Quality Check

0

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	d. The bit value of this flag indicates any pro	oblems 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 flag indical	es any problems when set.					
Attitude Correction Missing: This flag is currently set in error for NOPR produced	ucts due to a configuration issue. This is be	ing investigated and will be updated in the next SW update.					
Number of products with errors: 0							
4.6 L1B Waveform Group Data Check							
CryoSat L1B data includes a waveform data flag for each measurement record	I. The bit value of this flag indicates any pro	CryoSat L1B data includes a waveform data flag for each measurement record. 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.							
Loss of Long riag. This hag is currently set for products over land, but this is	to be expected.						
Number of products with errors: 18	to be expected.						
	to be expected. Test Failed	Description					
Number of products with errors: 18 Product	·	Description The tracking echo is missing for one or more records					
Number of products with errors: 18 Product	Test Failed	•					
Number of products with errors: 18 Product CS_OFFL_SIR_NOPM1B_20180909T021930_20180909T022150_C001 CS_OFFL_SIR_NOPM1B_20180909T055137_20180909T062832_C001	Test Failed Loss of Echo	The tracking echo is missing for one or more records					
Number of products with errors: 18 Product CS_OFFL_SIR_NOPM1B_20180909T021930_20180909T022150_C001 CS_OFFL_SIR_NOPM1B_20180909T055137_20180909T062832_C001 CS_OFFL_SIR_NOPM1B_20180909T084808_20180909T085930_C001	Test Failed Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records					
Number of products with errors: 18	Test Failed Loss of Echo Loss of Echo 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					
Number of products with errors: 18 Product CS_OFFL_SIR_NOPM1B_20180909T021930_20180909T022150_C001 CS_OFFL_SIR_NOPM1B_20180909T055137_20180909T062832_C001 CS_OFFL_SIR_NOPM1B_20180909T084808_20180909T085930_C001 CS_OFFL_SIR_NOPM1B_20180909T084808_20180909T042527_C001 CS_OFFL_SIR_NOPM1B_20180909T141142_20180909T142527_C001	Test Failed 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					
Number of products with errors: 18 Product CS_OFFL_SIR_NOPM1B_20180909T021930_20180909T022150_C001 CS_OFFL_SIR_NOPM1B_20180909T055137_20180909T062832_C001 CS_OFFL_SIR_NOPM1B_20180909T084808_20180909T085930_C001 CS_OFFL_SIR_NOPM1B_20180909T084808_20180909T042527_C001 CS_OFFL_SIR_NOPM1B_20180909T141142_20180909T142527_C001 CS_OFFL_SIR_NOPM1B_20180909T143226_20180909T144547_C001 CS_OFFL_SIR_NOPM1B_20180909T143226_20180909T144547_C001	Test Failed 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 The tracking echo is missing for one or more records The tracking echo is missing for one or more records					
Number of products with errors: 18 Product CS_OFFL_SIR_NOPM1B_20180909T021930_20180909T022150_C001 CS_OFFL_SIR_NOPM1B_20180909T055137_20180909T062832_C001 CS_OFFL_SIR_NOPM1B_20180909T084808_20180909T085930_C001 CS_OFFL_SIR_NOPM1B_20180909T048408_20180909T042527_C001 CS_OFFL_SIR_NOPM1B_20180909T141142_20180909T142527_C001 CS_OFFL_SIR_NOPM1B_20180909T143226_20180909T144547_C001 CS_OFFL_SIR_NOPM1B_20180909T04650_20180909T04815_C001	Test Failed Loss of Echo 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 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

CS_OFFL_SIR_NOPN1B_20180909T140025_20180909T140100_C001

CS OFFL SIR NOPN1B 20180909T140933 20180909T141130 C001

CS_OFFL_SIR_NOPN1B_20180909T154436_20180909T154930_C001

CS_OFFL_SIR_NOPR1B_20180909T072146_20180909T072402_C001

CS OFFL SIR NOPR1B 20180909T180351 20180909T180720 C001

CS_OFFL_SIR_NOPR1B_20180909T184744_20180909T184944_C001

CS_OFFL_SIR_NOPR1B_20180909T203732_20180909T204555_C001

CS_OFFL_SIR_NOPR1B_20180909T212237_20180909T212558_C001

CS_OFFL_SIR_NOPR1B_20180909T221819_20180909T222618_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

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

5.3 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: 0

3

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 e	errors:
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Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180909T010417_20180909T011445_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_NOPM_2_20180909T020509_20180909T021807_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_NOPM_2_20180909T133749_20180909T135408_C001	Power scaling error	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. 73

Number of products with errors:

Product CS_OFFL_SIR_NOPM_2_20180909T000028_20180909T000240_C001	Test Failed Ice Range Averaging Status	Description The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180909T001118_20180909T002342_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or mor
CS_OFFL_SIR_NOPM_2_20180909T002516_20180909T004220_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or mor
		records. The Ocean Range Averaging Status Flag has been set for one or mor
CS_OFFL_SIR_NOPM_2_20180909T010417_20180909T011445_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or mor
CS_OFFL_SIR_NOPM_2_20180909T011648_20180909T013112_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180909T013414_20180909T013909_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180909T014808_20180909T015132_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180909T020509_20180909T021807_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_NOPM_2_20180909T021930_20180909T022150_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_NOPM_2_20180909T025538_20180909T030954_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_NOPM_2_20180909T031352_20180909T031837_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T032616_20180909T035142_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
S_OFFL_SIR_NOPM_2_20180909T042454_20180909T044858_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
S_OFFL_SIR_NOPM_2_20180909T045342_20180909T045736_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T045757_20180909T050121_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T050500_20180909T051551_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_NOPM_2_20180909T052123_20180909T053117_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
S_OFFL_SIR_NOPM_2_20180909T055137_20180909T062832_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
S_OFFL_SIR_NOPM_2_20180909T063204_20180909T063650_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T064517_20180909T071818_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mo
	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
S_OFFL_SIR_NOPM_2_20180909T080305_20180909T080503_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or mor
S_OFFL_SIR_NOPM_2_20180909T082433_20180909T084522_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
C_OFFL_SIR_NOPM_2_20180909T084808_20180909T085930_C001		records. The Ocean Range Averaging Status Flag has been set for one or more
	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or mo
CS_OFFL_SIR_NOPM_2_20180909T090943_20180909T091315_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or mo
CS_OFFL_SIR_NOPM_2_20180909T092926_20180909T094600_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180909T100316_20180909T103925_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or mor
CS_OFFL_SIR_NOPM_2_20180909T104951_20180909T105041_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180909T105811_20180909T112354_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_NOPM_2_20180909T114323_20180909T115746_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_NOPM_2_20180909T115820_20180909T115941_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_NOPM_2_20180909T120422_20180909T121211_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_NOPM_2_20180909T123240_20180909T124826_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_NOPM_2_20180909T125040_20180909T130509_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
S_OFFL_SIR_NOPM_2_20180909T131219_20180909T131433_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T131515_20180909T131932_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T132211_20180909T133610_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T133749_20180909T135408_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
CS_OFFL_SIR_NOPM_2_20180909T140811_20180909T140932_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
S_OFFL_SIR_NOPM_2_20180909T141142_20180909T142527_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
S_OFFL_SIR_NOPM_2_20180909T143226_20180909T144547_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor records.
S_OFFL_SIR_NOPM_2_20180909T145010_20180909T145836_C001	Ice Range Averaging Status	The loc Range Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_NOPM_2_20180909T150205_20180909T152337_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or mor
CS_OFFL_SIR_NOPM_2_20180909T154931_20180909T155715_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or mor
CS_OFFL_SIR_NOPM_2_20180909T155934_20180909T162530_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180909T162913_20180909T163109_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS OFFL SIR NOPM 2 201809097163159 201809097163649 C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
	noo nango Averaging Otatus	records.

CS_OFFL_SIR_NOPM_2_20180909T171801_20180909T171848_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T173826_20180909T174821_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T175359_20180909T180351_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T181119_20180909T181716_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T182040_20180909T184722_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T185416_20180909T185832_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T191005_20180909T194242_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T195027_20180909T195547_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T200105_20180909T200123_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T200222_20180909T200343_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T203333_20180909T203732_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T204910_20180909T205830_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T210115_20180909T212236_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T212918_20180909T213029_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T213035_20180909T213441_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T214012_20180909T214946_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T215133_20180909T215736_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T222618_20180909T230104_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T230424_20180909T230927_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T230947_20180909T231255_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180909T232026_20180909T235146_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180909T113053_20180909T113328_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180909T171644_20180909T171658_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180909T002342_20180909T002516_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180909T004815_20180909T005336_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 72

Number of products with errors:

Product Test Failed Description The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180909T000028_20180909T000240_C001 Ice Backscatter Averaging Status records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_NOPM_2_20180909T001118_20180909T002342_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_NOPM_2_20180909T002516_20180909T004220_C001 more records. The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS OFFL SIR NOPM 2 20180909T010417 20180909T011445 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_NOPM_2_20180909T011648_20180909T013112_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180909T013414_20180909T013909_C001 Ice Backscatter Averaging Status records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR NOPM 2 20180909T014808 20180909T015132 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_NOPM_2_20180909T020509_20180909T021807_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_NOPM_2_20180909T021930_20180909T022150_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR NOPM 2 20180909T025538 20180909T030954 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180909T031352_20180909T031837_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_NOPM_2_20180909T032616_20180909T035142_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR NOPM 2 20180909T042454 20180909T044858 C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180909T045342_20180909T045736_C001 Ice Backscatter Averaging Status records. The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180909T045757 20180909T050121 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_NOPM_2_20180909T050500_20180909T051551_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_NOPM_2_20180909T052123_20180909T053117_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_NOPM_2_20180909T055137_20180909T062832_C001 Backscatter Averaging Status more records.

CS_OFFL_SIR_NOPM_2_20180909T064517_20180909T071818_C001 CS_OFFL_SIR_NOPM_2_20180909T072948_20180909T073343_C001 CS_OFFL_SIR_NOPM_2_20180909T080305_20180909T080503_C001 CS_OFFL_SIR_NOPM_2_20180909T081154_20180909T081717_C001 CS OFFL SIR NOPM 2 20180909T082433 20180909T084522 C001 CS_OFFL_SIR_NOPM_2_20180909T084808_20180909T085930_C001 CS OFFL SIR NOPM 2 20180909T090943 20180909T091315 C001 CS OFFL SIR NOPM 2 20180909T092926 20180909T094600 C001 CS_OFFL_SIR_NOPM_2_20180909T095121_20180909T095615_C001 CS_OFFL_SIR_NOPM_2_20180909T100316_20180909T103925_C001 CS OFFL SIR NOPM 2 20180909T104951 20180909T105041 C001 CS_OFFL_SIR_NOPM_2_20180909T105811_20180909T112354_C001 CS OFFL SIR NOPM 2 20180909T114323 20180909T115746 C001 CS_OFFL_SIR_NOPM_2_20180909T115820_20180909T115941_C001 CS_OFFL_SIR_NOPM_2_20180909T120422_20180909T121211_C001 CS OFFL SIR NOPM 2 20180909T123240 20180909T124826 C001 CS OFFL SIR NOPM 2 20180909T125040 20180909T130509 C001 CS_OFFL_SIR_NOPM_2_20180909T131515_20180909T131932_C001 CS_OFFL_SIR_NOPM_2_20180909T132211_20180909T133610_C001 CS_OFFL_SIR_NOPM_2_20180909T133749_20180909T135408_C001 CS_OFFL_SIR_NOPM_2_20180909T141142_20180909T142527_C001 CS OFFL SIR NOPM 2 20180909T143226 20180909T144547 C001 CS_OFFL_SIR_NOPM_2_20180909T145010_20180909T145836_C001 CS OFFL SIR NOPM 2 20180909T150205 20180909T152337 C001 CS OFFL SIR NOPM 2 20180909T154931 20180909T155715 C001 CS OFFL SIR NOPM 2 20180909T155934 20180909T162530 C001 CS_OFFL_SIR_NOPM_2_20180909T162913_20180909T163109_C001 CS_OFFL_SIR_NOPM_2_20180909T163159_20180909T163649_C001 CS_OFFL_SIR_NOPM_2_20180909T164159_20180909T170513_C001 CS OFFL SIR NOPM 2 20180909T171801 20180909T171848 C001 CS_OFFL_SIR_NOPM_2_20180909T173826_20180909T174821_C001 CS_OFFL_SIR_NOPM_2_20180909T175359_20180909T180351_C001 CS OFFL SIR NOPM_2_20180909T181119_20180909T181716_C001 CS_OFFL_SIR_NOPM_2_20180909T182040_20180909T184722_C001 CS_OFFL_SIR_NOPM_2_20180909T185416_20180909T185832_C001 CS OFFL SIR NOPM 2 20180909T191005 20180909T194242 C001 CS_OFFL_SIR_NOPM_2_20180909T195027_20180909T195547_C001 CS_OFFL_SIR_NOPM_2_20180909T200105_20180909T200123_C001 CS OFFL SIR NOPM 2 20180909T203333 20180909T203732 C001 CS OFFL SIR NOPM 2 20180909T204910 20180909T205830 C001 CS_OFFL_SIR_NOPM_2_20180909T210115_20180909T212236_C001 CS OFFL SIR NOPM 2 20180909T212918 20180909T213029 C001 CS_OFFL_SIR_NOPM_2_20180909T213035_20180909T213441_C001 CS OFFL SIR NOPM 2 20180909T214012 20180909T214946 C001 CS_OFFL_SIR_NOPM_2_20180909T215133_20180909T215736_C001 CS_OFFL_SIR_NOPM_2_20180909T215925_20180909T220407_C001 CS OFFL SIR NOPM 2 20180909T222618 20180909T230104 C001 CS_OFFL_SIR_NOPM_2_20180909T230424_20180909T230927_C001 CS_OFFL_SIR_NOPM_2_20180909T230947_20180909T231255_C001 CS OFFL SIR NOPM 2 20180909T232026 20180909T235146 C001 CS OFFL SIR NOPN 2 20180909T113053 20180909T113328 C001

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

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CS_OFFL_SIR_NOPN_2_20180909T171644_20180909T171658_C001

CS_OFFL_SIR_NOPR_2_20180909T002342_20180909T002516_C001

CS_OFFL_SIR_NOPR_2_20180909T004815_20180909T005336_C001

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

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

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5.8 L2 Ocean Retracking Quality Check

CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below. 56

Number of products with errors: