

IDEAS+ Daily Report for NOP data:

25/09/2018



		1. Overview	
	07.0 0040	Check	L1 & L2
eport Production:	27-Sep-2018	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal
rocessor used.	CryoSat Ocean Processor	Product Software Check	Nominal
Data Used:	Near Real Time Ocean Products (NOP)	Product Format Check	Nominal
Dulu Oodu.	L1B & L2 Science Data	Product Header Analysis	See Section 5.2
		Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check	Nominal
		Measurement Confidence Data Check	See Section 4.5, 4.6
		Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7
		Ocean Retracking Quality Check	See Section 5.8
A-Sep-2018 None 5-Sep-2018 None 5-Sep-2018 None 6-Sep-2018 Nothing			
		2. Global Coverage	
			Mode Coverage LRM SAR
e SIRAL instrument co	nfiguration for the day of acquisition is provide	3. Instrument Configuration	
SIRAL instrument			

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).

0

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-	e-determined baseline and also to	check the validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1B Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag for each measurement recor	rd. The bit value of this flag indicate	es any problems when set.
Number of products with errors: 0		
4.5 L1B Measurement Confidence Data Check		
Attitude Correction Missing: This flag is currently set in error for NOPR prod Number of products with errors: 0		
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	-	es any problems when set.
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: 18	to be expected.	
ryoSat 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 lumber of products with errors: 18 roduct	-	es any problems when set. Description The tracking echo is missing for one or more records
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: 18 Product CS_OFFL_SIR_NOPM1B_20180925T000626_20180925T002556_C001	to be expected.	Description
CryoSat L1B data includes a waveform data flag for each measurement recorr coss of Echo Flag: This flag is currently set for products over land, but this is lumber of products with errors: 18 Product CS_OFFL_SIR_NOPM1B_20180925T000626_20180925T002556_C001 CS_OFFL_SIR_NOPM1B_20180925T013547_20180925T014024_C001	to be expected. Test Failed Loss of Echo	Description The tracking echo is missing for one or more records
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: 18 Product CS_OFFL_SIR_NOPM1B_20180925T000626_20180925T002556_C001 CS_OFFL_SIR_NOPM1B_20180925T013547_20180925T014024_C001 CS_OFFL_SIR_NOPM1B_20180925T014651_20180925T015004_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
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: 18 Product CS_OFFL_SIR_NOPM1B_20180925T000626_20180925T002556_C001 CS_OFFL_SIR_NOPM1B_20180925T013547_20180925T014024_C001 CS_OFFL_SIR_NOPM1B_20180925T014651_20180925T015004_C001 CS_OFFL_SIR_NOPM1B_20180925T030634_20180925T033121_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
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 Number of products with errors: 18 Product CS_OFFL_SIR_NOPM1B_20180925T000626_20180925T002556_C001 CS_OFFL_SIR_NOPM1B_20180925T013547_20180925T014024_C001 CS_OFFL_SIR_NOPM1B_20180925T014651_20180925T015004_C001 CS_OFFL_SIR_NOPM1B_20180925T030634_20180925T033121_C001 CS_OFFL_SIR_NOPM1B_20180925T002628_20180925T002844_C001	to be expected. Test Failed 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
4.6 L1B Waveform Group Data Check 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 Number of products with errors: 18 Product 18 CS_OFFL_SIR_NOPM1B_20180925T000626_20180925T012556_C001 CS_OFFL_SIR_NOPM1B_20180925T013547_20180925T014024_C001 CS_OFFL_SIR_NOPM1B_20180925T014651_20180925T014024_C001 CS_OFFL_SIR_NOPM1B_20180925T030634_20180925T03121_C001 CS_OFFL_SIR_NOPM1B_20180925T002628_20180925T002844_C001 CS_OFFL_SIR_NOPM1B_20180925T002628_20180925T002722_C001 CS_OFFL_SIR_NOPN1B_20180925T020209_20180925T002722_C001 CS_OFFL_SIR_NOPN1B_20180925T02029_20180925T022236_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 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_20180925T120630_20180925T120749_C001

CS_OFFL_SIR_NOPN1B_20180925T134605_20180925T134812_C001

CS_OFFL_SIR_NOPN1B_20180925T183822_20180925T183919_C001

CS_OFFL_SIR_NOPN1B_20180925T184857_20180925T185017_C001

CS_OFFL_SIR_NOPN1B_20180925T215435_20180925T215645_C001

CS OFFL SIR NOPN1B 20180925T233651 20180925T233753 C001

CS_OFFL_SIR_NOPN1B_20180925T235118_20180925T235244_C001

CS_OFFL_SIR_NOPR1B_20180925T013020_20180925T013105_C001

CS_OFFL_SIR_NOPR1B_20180925T085416_20180925T085801_C001

CS_OFFL_SIR_NOPR1B_20180925T193719_20180925T194251_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:

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

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

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). 0

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.

Product CS_OFFL_SIR_NOPM_2_20180925T000626_20180925T002555_C001 CS OFFL SIR NOPM 2 20180925T004551 20180925T005615 C001 CS_OFFL_SIR_NOPM_2_20180925T005755_20180925T011131_C001 CS OFFL SIR NOPM 2 20180925T011442 20180925T011944 C001 CS OFFL SIR NOPM 2 20180925T012816 20180925T012914 C001 CS_OFFL_SIR_NOPM_2_20180925T013547_20180925T014024_C001 CS OFFL SIR NOPM 2 20180925T014651 20180925T015004 C001 CS_OFFL_SIR_NOPM_2_20180925T015128_20180925T015838_C001 CS_OFFL_SIR_NOPM_2_20180925T020001_20180925T020209_C001 CS OFFL SIR NOPM 2 20180925T023017 20180925T025008 C001 CS_OFFL_SIR_NOPM_2_20180925T025459_20180925T025900_C001 CS_OFFL_SIR_NOPM_2_20180925T025922_20180925T030128_C001 CS_OFFL_SIR_NOPM_2_20180925T030634_20180925T033121_C001 CS_OFFL_SIR_NOPM_2_20180925T035320_20180925T035544_C001 CS OFFL SIR NOPM 2 20180925T040556 20180925T042917 C001 CS_OFFL_SIR_NOPM_2_20180925T043249_20180925T043814_C001 CS OFFL SIR NOPM 2 20180925T043821 20180925T044146 C001 CS OFFL SIR NOPM 2 20180925T044533 20180925T045615 C001 CS_OFFL_SIR_NOPM_2_20180925T050153_20180925T051743_C001 CS OFFL SIR NOPM 2 20180925T053133 20180925T053207 C001 CS_OFFL_SIR_NOPM_2_20180925T054202_20180925T060210_C001 CS_OFFL_SIR_NOPM_2_20180925T060440_20180925T060842_C001 CS_OFFL_SIR_NOPM_2_20180925T061250_20180925T062052_C001 CS OFFL SIR NOPM 2 20180925T062625 20180925T065810 C001 CS_OFFL_SIR_NOPM_2_20180925T071015_20180925T071231_C001 CS_OFFL_SIR_NOPM_2_20180925T074113_20180925T074641_C001 CS OFFL SIR NOPM 2 20180925T075225 20180925T075740 C001 CS_OFFL_SIR_NOPM_2_20180925T080500_20180925T082553_C001 CS_OFFL_SIR_NOPM_2_20180925T082839_20180925T084006_C001 CS OFFL SIR NOPM 2 20180925T084926 20180925T085416 C001 CS OFFL SIR NOPM 2 20180925T090850 20180925T091447 C001 CS OFFL SIR NOPM 2 20180925T091635 20180925T092627 C001 CS OFFL SIR NOPM 2 20180925T094406 20180925T102004 C001 CS_OFFL_SIR_NOPM_2_20180925T103134_20180925T103212_C001 CS OFFL SIR NOPM 2 20180925T103255 20180925T103945 C001 CS OFFL SIR NOPM 2 20180925T104000 20180925T110418 C001 CS_OFFL_SIR_NOPM_2_20180925T111806_20180925T112042_C001 CS_OFFL_SIR_NOPM_2_20180925T112320_20180925T115127_C001 CS_OFFL_SIR_NOPM_2_20180925T121310_20180925T122855_C001 CS_OFFL_SIR_NOPM_2_20180925T123514_20180925T124609_C001 CS OFFL SIR NOPM 2 20180925T125232 20180925T125504 C001 CS OFFL SIR NOPM 2 20180925T125528 20180925T125953 C001 CS OFFL SIR NOPM 2 20180925T130250 20180925T131639 C001 CS_OFFL_SIR_NOPM_2_20180925T131819_20180925T132127_C001 CS_OFFL_SIR_NOPM_2_20180925T135512_20180925T140221_C001 CS_OFFL_SIR_NOPM_2_20180925T140344_20180925T142623_C001 CS OFFL SIR NOPM 2 20180925T143015 20180925T143907 C001 CS_OFFL_SIR_NOPM_2_20180925T144238_20180925T150519_C001 CS OFFL SIR NOPM 2 20180925T153220 20180925T160555 C001 CS_OFFL_SIR_NOPM_2_20180925T161232_20180925T161656_C001 CS OFFL SIR NOPM 2 20180925T162203 20180925T164657 C001

Test Failed Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status 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 Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status

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

	1	
CS_OFFL_SIR_NOPM_2_20180925T171403_20180925T172850_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T173424_20180925T174349_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T175146_20180925T175735_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T180058_20180925T182534_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T183645_20180925T183821_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T185017_20180925T192326_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T193052_20180925T193606_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T194251_20180925T194644_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T194718_20180925T195709_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T201324_20180925T201735_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T202740_20180925T203859_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T204145_20180925T210245_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T211059_20180925T211508_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T212020_20180925T213016_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T213123_20180925T213922_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T214018_20180925T214423_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T215355_20180925T215424_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T220644_20180925T223401_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T223404_20180925T224142_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T224424_20180925T224951_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T225010_20180925T225240_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T230054_20180925T231323_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T231358_20180925T233115_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T233507_20180925T233651_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T234521_20180925T235117_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T235245_20180926T000418_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180925T111119_20180925T111353_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180925T124616_20180925T125232_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180925T160816_20180925T160945_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180925T215304_20180925T215354_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180925T233651_20180925T233753_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180925T005616_20180925T005755_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

5.7 L2 SWH and Backscatter Measurement Check

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

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

SWH Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 80

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180925T000626_20180925T002555_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_20180925T004551_20180925T005615_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_20180925T005755_20180925T011131_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_20180925T011442_20180925T011944_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180925T012816_20180925T012914_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_20180925T013547_20180925T014024_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_20180925T014651_20180925T015004_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_20180925T015128_20180925T015838_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_20180925T020001_20180925T020209_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_20180925T023017_20180925T025008_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_20180925T025459_20180925T025900_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_NOPM_2_20180925T030634_20180925T033121_C001 CS OFFL SIR NOPM 2 20180925T035320 20180925T035544 C001 CS_OFFL_SIR_NOPM_2_20180925T040556_20180925T042917_C001 CS_OFFL_SIR_NOPM_2_20180925T043249_20180925T043814_C001 CS_OFFL_SIR_NOPM_2_20180925T043821_20180925T044146_C001 CS_OFFL_SIR_NOPM_2_20180925T044533_20180925T045615_C001 CS OFFL SIR NOPM 2 20180925T050153 20180925T051743 C001 CS OFFL SIR NOPM 2 20180925T053133 20180925T053207 C001 CS_OFFL_SIR_NOPM_2_20180925T054202_20180925T060210_C001 CS_OFFL_SIR_NOPM_2_20180925T060440_20180925T060842_C001 CS OFFL SIR NOPM 2 20180925T061250 20180925T062052 C001 CS_OFFL_SIR_NOPM_2_20180925T062625_20180925T065810_C001 CS OFFL SIR NOPM 2 20180925T071015 20180925T071231 C001 CS_OFFL_SIR_NOPM_2_20180925T074113_20180925T074641_C001 CS_OFFL_SIR_NOPM_2_20180925T075225_20180925T075740_C001 CS OFFL SIR NOPM 2 20180925T080500 20180925T082553 C001 CS_OFFL_SIR_NOPM_2_20180925T082839_20180925T084006_C001 CS_OFFL_SIR_NOPM_2_20180925T084926_20180925T085416_C001 CS_OFFL_SIR_NOPM_2_20180925T091635_20180925T092627_C001 CS_OFFL_SIR_NOPM_2_20180925T094406_20180925T102004_C001 CS_OFFL_SIR_NOPM_2_20180925T103134_20180925T103212_C001 CS OFFL SIR NOPM 2 20180925T103255 20180925T103945 C001 CS_OFFL_SIR_NOPM_2_20180925T104000_20180925T110418_C001 CS OFFL SIR NOPM 2 20180925T111353 20180925T111547 C001 CS OFFL SIR NOPM 2 20180925T111806 20180925T112042 C001 CS_OFFL_SIR_NOPM_2_20180925T112320_20180925T115127_C001 CS_OFFL_SIR_NOPM_2_20180925T121310_20180925T122855_C001 CS_OFFL_SIR_NOPM_2_20180925T123514_20180925T124609_C001 CS_OFFL_SIR_NOPM_2_20180925T125232_20180925T125504_C001 CS OFFL SIR NOPM 2 20180925T125528 20180925T125953 C001 CS_OFFL_SIR_NOPM_2_20180925T130250_20180925T131639_C001 CS_OFFL_SIR_NOPM_2_20180925T131819_20180925T132127_C001 CS OFFL SIR NOPM 2 20180925T135512 20180925T140221 C001 CS_OFFL_SIR_NOPM_2_20180925T140344_20180925T142623_C001 CS_OFFL_SIR_NOPM_2_20180925T143015_20180925T143907_C001 CS OFFL SIR NOPM 2 20180925T144238 20180925T150519 C001 CS_OFFL_SIR_NOPM_2_20180925T153220_20180925T160555_C001 CS_OFFL_SIR_NOPM_2_20180925T161232_20180925T161656_C001 CS OFFL SIR NOPM 2 20180925T162203 20180925T164657 C001 CS_OFFL_SIR_NOPM_2_20180925T171403_20180925T172850_C001 CS_OFFL_SIR_NOPM_2_20180925T173424_20180925T174349_C001 CS OFFL SIR NOPM 2 20180925T175146 20180925T175735 C001 CS_OFFL_SIR_NOPM_2_20180925T180058_20180925T182534_C001 CS OFFL SIR NOPM 2 20180925T183645 20180925T183821 C001 CS_OFFL_SIR_NOPM_2_20180925T185017_20180925T192326_C001 CS_OFFL_SIR_NOPM_2_20180925T193052_20180925T193606_C001 CS OFFL SIR NOPM 2 20180925T194718 20180925T195709 C001 CS_OFFL_SIR_NOPM_2_20180925T201324_20180925T201735_C001 CS_OFFL_SIR_NOPM_2_20180925T202740_20180925T203859_C001 CS OFFL SIR NOPM 2 20180925T204145 20180925T210245 C001 CS_OFFL_SIR_NOPM_2_20180925T211059_20180925T211508_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

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CS_OFFL_SIR_NOPM_2_201809251220644_201809251223401_C001 Back CS_OFFL_SIR_NOPM_2_20180925T223404_20180925T224142_C001 SWH Back CS_OFFL_SIR_NOPM_2_20180925T224424_20180925T224951_C001 Ice B CS_OFFL_SIR_NOPM_2_20180925T225010_20180925T225240_C001 Ice B CS_OFFL_SIR_NOPM_2_20180925T230054_20180925T231323_C001 SWH Back CS_OFFL_SIR_NOPM_2_20180925T231358_20180925T233115_C001 SWH CS_OFFL_SIR_NOPM_2_20180925T233507_20180925T233651_C001 Ice B CS_OFFL_SIR_NOPM_2_20180925T233507_20180925T233651_C001	kscatter Averaging Status H Averaging Status, Ocean kscatter Averaging Status Backscatter Averaging Status Backscatter Averaging Status	more records. The SWH and Ocean Averaging Status Flags have been set for one or more records. The loc Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_201809251223404_201809251224142_C001 Back CS_OFFL_SIR_NOPM_2_20180925T224424_20180925T224951_C001 Ice B CS_OFFL_SIR_NOPM_2_20180925T225010_20180925T225240_C001 Ice B CS_OFFL_SIR_NOPM_2_20180925T230054_20180925T225240_C001 Ice B CS_OFFL_SIR_NOPM_2_20180925T230054_20180925T231323_C001 SWH Back CS_OFFL_SIR_NOPM_2_20180925T231358_20180925T233115_C001 SWH Back CS_OFFL_SIR_NOPM_2_20180925T233507_20180925T233651_C001 Ice B	kscatter Averaging Status Backscatter Averaging Status Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more records.
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CS_OFFL_SIR_NOPM_2_201809251233358_201809251233115_C001 Back CS_OFFL_SIR_NOPM_2_20180925T233507_20180925T233651_C001 Ice B	00	The SWH and Ocean Averaging Status Flags have been set for one or more records.
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CS_OFFL_SIR_NOPN_2_20180925T124616_20180925T125232_C001 Ice B		The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180925T160816_20180925T160945_C001 Ice B		The Ice Backscatter Averaging Status Flag has 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.

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.

63

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: