

# IDEAS+ Daily Report for NOP data:

# <u>19/09/2018</u>



		Chaol		14010
<b>Report Production:</b>	20-Sep-2018	Check		L1 & L2
	-	Server check: science-p		Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-po		Nominal
		Product Softwa		Nominal
Data Used:	Near Real Time Ocean Products (NOP)	Product Forma		Nominal
2444 0004	L1B & L2 Science Data	Product Header		Nominal
		Auxiliary Data File U		Nominal
		Auxiliary Correction	Error Check	Nominal
		Measurement Confide	nce Data Check	See Section 4.6 and 5.5
		Range, SWH & Backscatter	Measurement Check	See Section 5.6, 5.7
		Ocean Retracking O	Quality Check	See Section 5.8
		L		
Mission / Instrument Ne	ews			
18-Sep-2018 None				
19-Sep-2018 None				
20-Sep-2018 Nothing	planned			
20 OCP 2010 Rothing	planned			
		2. Global Covera	ige	
				Mode Coverage LRM SAR
The SIRAL instrument co	onfiguration for the day of acquisition is protection is protected by the second secon	3. Instrument Config ided below.	uration	

1. Overview

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-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 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: 4.5 L1B Measurement Confidence Data Check CryoSat L1B data includes a measurement confidence flag for each measurement record. The bit value of this flag indicates any problems when set.

Attitude Correction Missing: This flag is currently set in error for NOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20180918T235850_20180919T001130_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20180919T022207_20180919T022733_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20180919T031357_20180919T034718_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20180919T072730_20180919T072803_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

#### 4.6 L1B Waveform Group Data Check

CryoSat L1B data includes a waveform data flag for each measurement 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.

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Number of products with errors: 17

Product	Test Failed	Description
CS_OFFL_SIR_NOPN1B_20180919T003329_20180919T003605_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180919T021022_20180919T021447_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180919T052427_20180919T053001_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180919T135319_20180919T135529_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180919T140941_20180919T141104_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180919T010249_20180919T010514_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180919T021447_20180919T022207_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180919T025739_20180919T025918_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180919T043641_20180919T043859_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180919T045024_20180919T045249_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180919T062927_20180919T063327_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180919T075357_20180919T075817_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180919T090735_20180919T090850_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180919T094736_20180919T095122_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180919T111140_20180919T111839_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180919T170730_20180919T171259_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180919T201349_20180919T201550_C001	Loss of Echo	The tracking echo is missing for one or more records

# 5. NOP Level 2 Data Quality Check

### 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:

#### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

#### 5.4 L2 Auxiliary Correction Error Check

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

# Number of products with errors:

#### 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:	4
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Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180918T235850_20180919T001130_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_20180919T022207_20180919T022733_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_20180919T031357_20180919T034718_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. 74

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180918T235850_20180919T001130_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T001345_20180919T003314_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T005308_20180919T005857_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T005900_20180919T010239_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T010514_20180919T011854_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T012201_20180919T012705_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T012712_20180919T012723_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T015845_20180919T020557_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T023912_20180919T023947_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T024202_20180919T025739_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T030200_20180919T030621_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T031357_20180919T034718_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T041256_20180919T043640_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T044014_20180919T044535_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T045249_20180919T050335_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T050911_20180919T052427_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T053850_20180919T053912_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T055004_20180919T061605_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T062004_20180919T062813_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T063328_20180919T070547_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T071737_20180919T071957_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T074929_20180919T075356_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T075943_20180919T080501_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T081214_20180919T083312_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T083558_20180919T084723_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T085704_20180919T090134_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T091722_20180919T092206_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T092354_20180919T093347_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T094042_20180919T094401_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T095122_20180919T095555_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T095605_20180919T102722_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T104023_20180919T104724_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T104747_20180919T111140_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T112114_20180919T112307_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T113050_20180919T114630_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T115053_20180919T115904_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T122036_20180919T123614_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T124233_20180919T125318_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T125958_20180919T130222_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T130252_20180919T130715_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T131008_20180919T132358_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T132537_20180919T134032_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T135549_20180919T135641_C001	Ocean Range Averaging Status	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
CS_OFFL_SIR_NOPM_2_20180919T140232_20180919T140941_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_NOPM_2_20180919T141104_20180919T141551_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T141825_20180919T143338_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T143743_20180919T144626_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T144957_20180919T151111_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T153942_20180919T161317_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T161950_20180919T162419_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T162930_20180919T165357_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T170516_20180919T170652_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T172237_20180919T173609_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T174145_20180919T175121_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T175906_20180919T180457_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T180826_20180919T182729_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T182754_20180919T183202_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T184402_20180919T184547_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T185727_20180919T193043_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T193812_20180919T194328_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T195009_20180919T195246_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T202055_20180919T202505_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T203333_20180919T204618_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T204904_20180919T211016_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T211652_20180919T211813_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T211821_20180919T212228_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T212750_20180919T213734_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T213922_20180919T214639_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T214721_20180919T215157_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180919T015722_20180919T015845_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180919T021022_20180919T021447_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180919T052427_20180919T053001_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180919T023947_20180919T024202_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180919T083312_20180919T083558_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.

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#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180918T235850_20180919T001130_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_20180919T001345_20180919T003314_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_20180919T005308_20180919T005857_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_20180919T010514_20180919T011854_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_20180919T012712_20180919T012723_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T015845_20180919T020557_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_20180919T024202_20180919T025739_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_20180919T030200_20180919T030621_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T031357_20180919T034718_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_20180919T041256_20180919T043640_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_20180919T044014_20180919T044535_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180919T045249_20180919T050335_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\_20180919T050911\_20180919T052427\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T053850\_20180919T053912\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T055004\_20180919T061605\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T062004\_20180919T062813\_C001 CS OFFL SIR NOPM 2 20180919T063328 20180919T070547 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T071737\_20180919T071957\_C001 CS OFFL SIR NOPM 2 20180919T074929 20180919T075356 C001 CS OFFL SIR NOPM 2 20180919T075943 20180919T080501 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T081214\_20180919T083312\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T083558\_20180919T084723\_C001 CS OFFL SIR NOPM 2 20180919T085704 20180919T090134 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T091722\_20180919T092206\_C001 CS OFFL SIR NOPM 2 20180919T092354 20180919T093347 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T094042\_20180919T094401\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T095122\_20180919T095555\_C001 CS OFFL SIR NOPM 2 20180919T095605 20180919T102722 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T104023\_20180919T104724\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T104747\_20180919T111140\_C001 CS OFFL SIR NOPM 2 20180919T112114 20180919T112307 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T113050\_20180919T114630\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T114634\_20180919T114730\_C001 CS OFFL SIR NOPM 2 20180919T115053 20180919T115904 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T121510\_20180919T121924\_C001 CS OFFL SIR NOPM 2 20180919T122036 20180919T123614 C001 CS OFFL SIR NOPM 2 20180919T124233 20180919T125318 C001 CS OFFL SIR NOPM 2 20180919T125958 20180919T130222 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T130252\_20180919T130715\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T131008\_20180919T132358\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T132537\_20180919T134032\_C001 CS OFFL SIR NOPM 2 20180919T135549 20180919T135641 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T141104\_20180919T141551\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T141825\_20180919T143338\_C001 CS OFFL SIR NOPM\_2\_20180919T143743\_20180919T144626\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T144957\_20180919T151111\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T153942\_20180919T161317\_C001 CS OFFL SIR NOPM 2 20180919T161950 20180919T162419 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T162930\_20180919T165357\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T170516\_20180919T170652\_C001 CS OFFL SIR NOPM 2 20180919T172237 20180919T173609 C001 CS OFFL SIR NOPM 2 20180919T174145 20180919T175121 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T175906\_20180919T180457\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T180826\_20180919T182729\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T182754\_20180919T183202\_C001 CS OFFL SIR NOPM 2 20180919T184402 20180919T184547 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T185727\_20180919T193043\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T193812\_20180919T194328\_C001 CS OFFL SIR NOPM 2 20180919T202055 20180919T202505 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T203333\_20180919T204618\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T204904\_20180919T211016\_C001 CS OFFL SIR NOPM 2 20180919T211821 20180919T212228 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180919T212750\_20180919T213734\_C001 SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean Backscatter Averaging Status, Ocean

Ice Backscatter Averaging Status

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CS_OFFL_SIR_NOPM_2_20180919T213922_20180919T214639_C001
CS_OFFL_SIR_NOPM_2_20180919T214721_20180919T215157_C001
CS_OFFL_SIR_NOPN_2_20180919T015722_20180919T015845_C001
CS_OFFL_SIR_NOPN_2_20180919T021022_20180919T021447_C001
CS_OFFL_SIR_NOPN_2_20180919T052427_20180919T053001_C001
CS_OFFL_SIR_NOPR_2_20180919T023947_20180919T024202_C001
CS_OFFL_SIR_NOPR_2_20180919T083312_20180919T083558_C001

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# 5.8 L2 Ocean Retracking Quality Check

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

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: