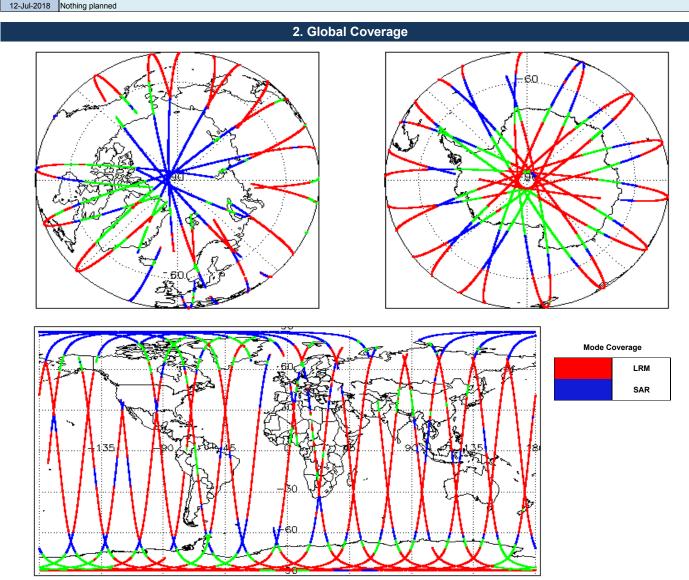


# IDEAS+ Daily Report for NOP data:

# <u>11/07/2018</u>



10-Jul-2018	None
11-Jul-2018	None
12 101 2018	Nothing plan



## 3. Instrument Configuration

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

SIRAL instrument(s) in use:

se: 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

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 che	eck the validity of Auxiliary Data Files is correct.
lumber of products with errors: 0		
4.4 L1B Auxiliary Correction Error Check		
ryoSat L1B data includes a correction error flag for each measurement record	d. The bit value of this flag indicates a	any problems when set.
lumber of products with errors: 0		
I.5 L1B Measurement Confidence Data Check		
cryoSat L1B data includes a measurement confidence flag for each measurem	pent record. The hit value of this flag	indicates any problems when set
ttitude Correction Missing: This flag is currently set in error for NOPR prod	-	
lumber of products with errors: 1	-	
Product	Test Failed	Description
S_OFFL_SIR_NOPM1B_20180711T145638_20180711T150542_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
.6 L1B Waveform Group Data Check		
ryoSat L1B data includes a waveform data flag for each measurement record	The bit value of this flag indicates a	inv problems when set
oss of Echo Flag: This flag is currently set for products over land, but this is	-	· · · · · · · · · · · · · · · · · · ·
lumber of products with errors: 13		
roduct	Test Failed	Description
S_OFFL_SIR_NOPM1B_20180711T020856_20180711T022912_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_NOPM1B_20180711T045745_20180711T051021_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_NOPM1B_20180711T170448_20180711T171834_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_NOPN1B_20180711T015652_20180711T015854_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_NOPN1B_20180711T033359_20180711T033825_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_NOPN1B_20180711T043804_20180711T043934_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_NOPN1B_20180711T051455_20180711T051923_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_NOPN1B_20180711T151818_20180711T151938_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_NOPN1B_20180711T165734_20180711T165839_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_NOPR1B_20180711T093417_20180711T093719_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_NOPR1B_20180711T105304_20180711T105539_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_NOPR1B_20180711T111244_20180711T111637_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_NOPR1B_20180711T141605_20180711T142304_C001	Loss of Echo	The tracking echo is missing for one or more records
5. NC	OP Level 2 Data Quali	ity Check
5.1 L2 Product Format Check		
ach product, retrieved and unpacked from the science server, is checked to e	ensure it consists of both an XML hea	der file (.HDR) and a binary product file (.DBL).
umber of products with errors: 0		
.2 L2 Product Header Analysis		
or all products, a series of pre-defined checks are performed on the MPH and	SPH in order to identify any inconsi	stancies and/or errors raised by the ground-segment processing chain
umber of products with errors: 0		activities analori errors relaced by the ground-segment processing enam.
.3 L2 Auxiliary Data File Usage Check		
ach product is checked for missing Data Set Descriptors with respect to a pre	e-determined baseline and also to che	eck the validity of Auxiliary Data Files is correct.
umber of products with errors: 0		
4 L2 Auxiliary Correction Error Check		
or all products, the auxiliary corrections within the Geophysical Group are che	ecked for the default error value (327	67).
lumber of products with errors: 0		
Jumber of products with errors:     0       5.5 L2 Measurement Confidence Data Check	surement record. The bit value of this	flag indicates any problems when set.
umber of products with errors:       0         5.5 L2 Measurement Confidence Data Check         ryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement confidence fla	surement record. The bit value of this	flag indicates any problems when set.
	surement record. The bit value of this Test Failed	flag indicates any problems when set.  Description

### 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\_20180711T001812\_20180711T001949\_C001 CS OFFL SIR NOPM 2 20180711T003006 20180711T004132 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T004141\_20180711T010015\_C001 CS OFFL SIR NOPM 2 20180711T010026 20180711T010520 C001 CS OFFL SIR NOPM 2 20180711T011331 20180711T011743 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T020856\_20180711T022912\_C001 CS OFFL SIR NOPM 2 20180711T023756 20180711T024435 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T024659\_20180711T025222\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T030331\_20180711T031557\_C001 CS OFFL SIR NOPM 2 20180711T031715 20180711T033359 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T035544\_20180711T040654\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T040857\_20180711T042328\_C001 CS OFFL SIR NOPM 2 20180711T042625 20180711T043121 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T043158\_20180711T043316\_C001 CS OFFL SIR NOPM 2 20180711T044025 20180711T044459 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T045745\_20180711T051021\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T054816\_20180711T060224\_C001 CS OFFL SIR NOPM 2 20180711T060559 20180711T061034 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T061818\_20180711T064351\_C001 CS OFFL SIR NOPM 2 20180711T071720 20180711T074124 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T074600\_20180711T074948\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T075010\_20180711T075335\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T075702\_20180711T080807\_C001 CS OFFL SIR NOPM 2 20180711T081339 20180711T082332 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T085538\_20180711T092111\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T092411\_20180711T092902\_C001 CS OFFL SIR NOPM 2 20180711T093720 20180711T094722 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T095043\_20180711T101037\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T102244\_20180711T102609\_C001 CS OFFL SIR NOPM 2 20180711T105539 20180711T105714 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T110405\_20180711T110931\_C001 CS OFFL SIR NOPM 2 20180711T111638 20180711T113736 C001 CS OFFL SIR NOPM 2 20180711T114022 20180711T115148 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T120152\_20180711T120509\_C001 CS OFFL SIR NOPM 2 20180711T122133 20180711T123821 C001 CS OFFL SIR NOPM 2 20180711T125537 20180711T133132 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T135311\_20180711T141605\_C001 CS OFFL SIR NOPM 2 20180711T142540 20180711T142733 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T143520\_20180711T145015\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T145638\_20180711T150542\_C001 CS OFFL SIR NOPM 2 20180711T152403 20180711T154036 C001 CS OFFL SIR NOPM 2 20180711T154250 20180711T155733 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T160731\_20180711T161148\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T161407\_20180711T162900\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T163100\_20180711T164021\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T170448\_20180711T171834\_C001 CS OFFL SIR NOPM 2 20180711T172450 20180711T173805 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T174226\_20180711T175049\_C001 CS OFFL SIR NOPM 2 20180711T175402 20180711T181014 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T181120\_20180711T181510\_C001 Test Failed 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 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 Ice 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 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 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 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 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. 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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 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 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.

CS_OFFL_SIR_NOPM_2_20180711T185153_20180711T191752_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180711T192410_20180711T192909_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180711T193358_20180711T195743_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180711T203037_20180711T204031_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180711T204609_20180711T205610_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180711T210332_20180711T210931_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180711T211223_20180711T213959_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180711T214610_20180711T214950_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180711T220226_20180711T223505_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180711T224239_20180711T224802_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180711T225138_20180711T225558_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180711T232604_20180711T232938_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180711T234128_20180711T235041_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180711T235326_20180712T001440_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180711T011744_20180711T011855_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180711T015652_20180711T015854_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180711T034549_20180711T034619_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180711T043804_20180711T043934_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180711T075004_20180711T075009_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180711T160645_20180711T160731_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180711T031558_20180711T031714_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180711T043121_20180711T043126_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180711T155733_20180711T155818_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180711T202936_20180711T203037_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.

**Test Failed** 

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. 75

#### Number of products with errors:

Product

CS_OFFL_SIR_NOPM_2_201807111001812_201807111001949_C001 CS_OFFL_SIR_NOPM_2_201807111003006_201807111004132_C001	SWH Averaging Status, Oce Backscatter Averaging Statu SWH Averaging Status, Oce Backscatter Averaging Statu SWH Averaging Status, Oce
CS_OFFL_SIR_NOPM_2_201807111003006_201807111004132_C001	Backscatter Averaging State
	SWH Averaging Status, Oce
	Backscatter Averaging State
	SWH Averaging Status, Oce Backscatter Averaging Statu
CS_OFFL_SIR_NOPM_2_20180711T011331_20180711T011743_C001	Ice Backscatter Averaging S
	SWH Averaging Status, Oce Backscatter Averaging Statu
	SWH Averaging Status, Oce Backscatter Averaging Statu
	SWH Averaging Status, Oce Backscatter Averaging Statu
CS_OFFL_SIR_NOPM_2_20180711T024659_20180711T025222_C001	Ice Backscatter Averaging S
	SWH Averaging Status, Oce Backscatter Averaging Statu
	SWH Averaging Status, Oce Backscatter Averaging Statu
	SWH Averaging Status, Oce Backscatter Averaging Statu
	SWH Averaging Status, Oce Backscatter Averaging Statu
CS_OFFL_SIR_NOPM_2_20180711T042625_20180711T043121_C001	Ice Backscatter Averaging S
CS_OFFL_SIR_NOPM_2_20180711T043158_20180711T043316_C001	Ice Backscatter Averaging S
	SWH Averaging Status, Oce Backscatter Averaging Statu
	SWH Averaging Status, Oce Backscatter Averaging Statu
	SWH Averaging Status, Oce Backscatter Averaging State

Test Failed	Description
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
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 more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
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 more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
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 more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.
SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Backscatter Averaging Status	more records.

CS\_OFFL\_SIR\_NOPM\_2\_20180711T060559\_20180711T061034\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T061111\_20180711T061228\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T061818\_20180711T064351\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T071720\_20180711T074124\_C001 CS OFFL SIR NOPM 2 20180711T075010 20180711T075335 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T075702\_20180711T080807\_C001 CS OFFL SIR NOPM 2 20180711T081339 20180711T082332 C001 CS OFFL SIR NOPM 2 20180711T085538 20180711T092111 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T092411\_20180711T092902\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T092907\_20180711T093238\_C001 CS OFFL SIR NOPM 2 20180711T093720 20180711T094722 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T095043\_20180711T101037\_C001 CS OFFL SIR NOPM 2 20180711T102244 20180711T102609 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T105539\_20180711T105714\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T110405\_20180711T110931\_C001 CS OFFL SIR NOPM 2 20180711T111638 20180711T113736 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T114022\_20180711T115148\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T120152\_20180711T120509\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T122133\_20180711T123821\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T124330\_20180711T124828\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T125537\_20180711T133132\_C001 CS OFFL SIR NOPM 2 20180711T135311 20180711T141605 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T142540\_20180711T142733\_C001 CS OFFL SIR NOPM 2 20180711T143520 20180711T145015 C001 CS OFFL SIR NOPM 2 20180711T145017 20180711T145156 C001 CS OFFL SIR NOPM 2 20180711T145638 20180711T150542 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T152403\_20180711T154036\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T154250\_20180711T155733\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T160731\_20180711T161148\_C001 CS OFFL SIR NOPM 2 20180711T161407 20180711T162900 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T163100\_20180711T164021\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T170448\_20180711T171834\_C001 CS OFFL SIR NOPM 2 20180711T172450 20180711T173805 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T174226\_20180711T175049\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T175402\_20180711T181014\_C001 CS OFFL SIR NOPM 2 20180711T181120 20180711T181510 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T185153\_20180711T191752\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T192410\_20180711T192909\_C001 CS OFFL SIR NOPM 2 20180711T193358 20180711T195743 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T203037\_20180711T204031\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T204609\_20180711T205610\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T210332\_20180711T210931\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T211223\_20180711T213959\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T214610\_20180711T214950\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T220226\_20180711T223505\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T232604\_20180711T232938\_C001 CS OFFL SIR NOPM 2 20180711T234128 20180711T235041 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180711T235326\_20180712T001440\_C001 CS\_OFFL\_SIR\_NOPN\_2\_20180711T011744\_20180711T011855\_C001 CS\_OFFL\_SIR\_NOPN\_2\_20180711T015652\_20180711T015854\_C001 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 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 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, 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 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, Ocean Backscatter Averaging Status, Ocean

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

Ice Backscatter Averaging Status

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

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

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

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

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

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

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

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

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

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

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

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

The 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.

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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.

CS_OFFL_SIR_NOPN_2_20180711T034549_20180711T034619_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180711T075004_20180711T075009_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180711T160645_20180711T160731_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180711T031558_20180711T031714_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180711T043121_20180711T043126_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180711T155733_20180711T155818_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180711T202936_20180711T203037_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

## 5.8 L2 Ocean Retracking Quality Check

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

62

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: