

Report Product Processor Us

IDEAS+ Daily Report for NOP data:

28/01/2019

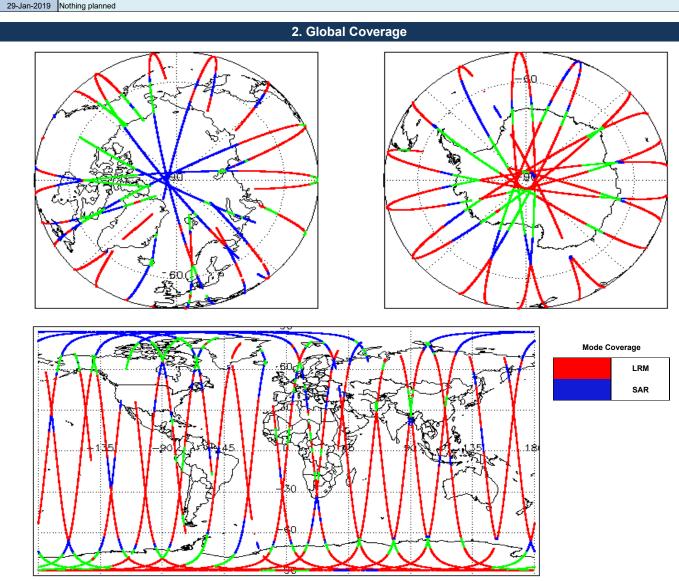
1. Overview			
		Check	L1 & L2
eport Production:	29-Jan-2019	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal
		Product Software Check	Nominal
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	Product Format Check	Nominal
		Product Header Analysis	Nominal
		Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check	Nominal
		Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5

Range, SWH & Backscatter Measurement Check

Ocean Retracking Quality Check

See Section 5.6, 5.7 See Section 5.8

Mission / Instrument News		
27-Jan-2019	None	
28-Jan-2019	None	
00 1 0040	N 1 - 41- 1 1	



3. Instrument Configuration

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

SIRAL - A

0

SIRAL instrument(s) in use:

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 ch	eck the validity of Auxiliary Data Files is correct.
lumber 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 problems when set.
lumber of products with errors: 0		
1.5 L1B Measurement Confidence Data Check		
	agent respond. The bit value of this flag	indiates any problems when set
CryoSat L1B data includes a measurement confidence flag for each measurem attitude Correction Missing: This flag is currently set in error for NOPR prod	-	
lumber of products with errors: 1	3	
Product	Test Failed	Description
S_OFFL_SIR_NOPM1B_20190128T050409_20190128T051204_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	I. The bit value of this flag indicates a	any problems when set.
oss of Echo Flag: This flag is currently set for products over land, but this is	-	
lumber of products with errors: 10		
Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20190128T044143_20190128T044905_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20190128T045805_20190128T045927_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20190128T145922_20190128T150353_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190128T060552_20190128T061202_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190128T075820_20190128T080007_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190128T084420_20190128T084916_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_NOPN1B_20190128T183402_20190128T183617_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190128T021839_20190128T022025_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190128T132411_20190128T132813_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190128T182839_20190128T183008_C001	Loss of Echo	The tracking echo is missing for one or more records
5. NG	OP Level 2 Data Qual	ity Check
5.1 L2 Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to e	ensure it consists of both an XML hea	ader file (.HDR) and a binary product file (.DBL).
Number of products with errors: 0		
5 2 1 2 Product Header Analysia		
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 inconsi	stencies and/or errors raised by the ground-segment processing chain.
Number of products with errors: 0		
5.3 L2 Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pre	e-determined baseline and also to ch	eck the validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
5.4 L2 Auxiliary Correction Error Check		
For all products, the auxiliary corrections within the Geophysical Group are che	ecked for the default error value (327	67).
Number of products with errors: 0		
5.5 L2 Measurement Confidence Data Check		
CryoSat L2 data includes a measurement confidence flag for each 20-Hz meas	surement record. The bit value of this	s flag indicates any problems when set
Number of products with errors: 1		
Product	Test Failed Power scaling error	Description There is an error in the scaling of the L2 waveform for one or more red
CS_OFFL_SIR_NOPM_2_20190128T050409_20190128T051204_C001		
5.6 L2 Range Measurement Check		
5.6 L2 Range Measurement Check CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for e		
5.6 L2 Range Measurement Check CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for e		lue of this flag indicates any problems when set. face type. All common flags are summarised in the list below, followed by a

Number of p	products with er	rors:
-------------	------------------	-------

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190127T235539_20190128T001805_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T003058_20190128T003244_C001		The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_NOPM_2_20190128T010253_20190128T010445_C001 CS OFFL SIR NOPM 2 20190128T010645 20190128T010936 C001 CS_OFFL_SIR_NOPM_2_20190128T011136_20190128T011700_C001 CS_OFFL_SIR_NOPM_2_20190128T012252_20190128T014508_C001 CS OFFL SIR NOPM 2 20190128T014754 20190128T015659 C001 CS OFFL SIR NOPM 2 20190128T020944 20190128T021256 C001 CS OFFL SIR NOPM 2 20190128T022907 20190128T024857 C001 CS OFFL SIR NOPM 2 20190128T025102 20190128T025558 C001 CS_OFFL_SIR_NOPM_2_20190128T030203_20190128T033440_C001 CS OFFL SIR NOPM 2 20190128T035841 20190128T042336 C001 CS_OFFL_SIR_NOPM_2_20190128T044143_20190128T044905_C001 CS_OFFL_SIR_NOPM_2_20190128T044908_20190128T045803_C001 CS OFFL SIR NOPM 2 20190128T045805 20190128T045927 C001 CS_OFFL_SIR_NOPM_2_20190128T050409_20190128T051204_C001 CS_OFFL_SIR_NOPM_2_20190128T052709_20190128T053008_C001 CS OFFL SIR NOPM 2 20190128T053215 20190128T054807 C001 CS_OFFL_SIR_NOPM_2_20190128T055021_20190128T060510_C001 CS_OFFL_SIR_NOPM_2_20190128T061203_20190128T061415_C001 CS OFFL SIR NOPM 2 20190128T061458 20190128T061916 C001 CS_OFFL_SIR_NOPM_2_20190128T062059_20190128T063556_C001 CS_OFFL_SIR_NOPM_2_20190128T063735_20190128T065227_C001 CS OFFL SIR NOPM 2 20190128T071535 20190128T072558 C001 CS_OFFL_SIR_NOPM_2_20190128T073211_20190128T074657_C001 CS OFFL SIR NOPM 2 20190128T074954 20190128T075819 C001 CS OFFL SIR NOPM 2 20190128T080036 20190128T082323 C001 CS OFFL SIR NOPM 2 20190128T085920 20190128T090230 C001 CS_OFFL_SIR_NOPM_2_20190128T090253_20190128T092626_C001 CS_OFFL_SIR_NOPM_2_20190128T093141_20190128T093634_C001 CS_OFFL_SIR_NOPM_2_20190128T093917_20190128T100525_C001 CS OFFL SIR NOPM 2 20190128T103808 20190128T104802 C001 CS_OFFL_SIR_NOPM_2_20190128T105340_20190128T110411_C001 CS_OFFL_SIR_NOPM_2_20190128T111102_20190128T111700_C001 CS OFFL SIR NOPM 2 20190128T111833 20190128T114712 C001 CS_OFFL_SIR_NOPM_2_20190128T115456_20190128T115653_C001 CS_OFFL_SIR_NOPM_2_20190128T120951_20190128T124357_C001 CS OFFL SIR NOPM 2 20190128T125009 20190128T125531 C001 CS_OFFL_SIR_NOPM_2_20190128T125730_20190128T130128_C001 CS_OFFL_SIR_NOPM_2_20190128T133324_20190128T133536_C001 CS OFFL SIR NOPM 2 20190128T134943 20190128T135812 C001 CS OFFL SIR NOPM 2 20190128T140057 20190128T142314 C001 CS_OFFL_SIR_NOPM_2_20190128T143018_20190128T143425_C001 CS OFFL SIR NOPM 2 20190128T143637 20190128T144931 C001 CS_OFFL_SIR_NOPM_2_20190128T145119_20190128T145721_C001 CS OFFL SIR NOPM 2 20190128T152819 20190128T160158 C001 CS_OFFL_SIR_NOPM_2_20190128T160408_20190128T160909_C001 CS_OFFL_SIR_NOPM_2_20190128T162010_20190128T165119_C001 CS OFFL SIR NOPM 2 20190128T181406 20190128T182536 C001 CS_OFFL_SIR_NOPM_2_20190128T185336_20190128T190352_C001 CS_OFFL_SIR_NOPM_2_20190128T190531_20190128T192002_C001 CS OFFL SIR NOPM 2 20190128T192218 20190128T192718 C001 CS_OFFL_SIR_NOPM_2_20190128T192725_20190128T192737_C001 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 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 Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status

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

CS_OFFL_SIR_NOPM_2_20190128T192743_20190128T192752_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T192758_20190128T192901_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T193556_20190128T193737_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T193924_20190128T195024_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T195157_20190128T195743_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T203631_20190128T205932_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T210255_20190128T210635_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T210657_20190128T210959_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T211249_20190128T214139_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T221258_20190128T223900_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T224037_20190128T224548_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T224555_20190128T224923_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T225303_20190128T230353_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T230932_20190128T232624_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190128T011011_20190128T0111136_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190128T020851_20190128T020929_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190128T043035_20190128T043310_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190128T074802_20190128T074954_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190128T142541_20190128T142901_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190128T210651_20190128T210656_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190128T044130_20190128T044142_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190128T053208_20190128T053215_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20190128T160159_20190128T160214_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. 74

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190127T235539_20190128T001805_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_20190128T003058_20190128T003244_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_20190128T010253_20190128T010445_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_20190128T010645_20190128T010936_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_20190128T011136_20190128T011700_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T012252_20190128T014508_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_20190128T014754_20190128T015659_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_20190128T020944_20190128T021256_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_20190128T022907_20190128T024857_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_20190128T025102_20190128T025558_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T030203_20190128T033440_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_20190128T035841_20190128T042336_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_20190128T044143_20190128T044905_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_20190128T045805_20190128T045927_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_20190128T050409_20190128T051204_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_20190128T052709_20190128T053008_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T053215_20190128T054807_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_20190128T055021_20190128T060510_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_20190128T061203_20190128T061415_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190128T061458_20190128T061916_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_NOPM_2_20190128T062059_20190128T063556_C001 CS_OFFL_SIR_NOPM_2_20190128T063735_20190128T065227_C001 CS_OFFL_SIR_NOPM_2_20190128T071535_20190128T072558_C001 CS_OFFL_SIR_NOPM_2_20190128T073211_20190128T074657_C001 CS OFFL SIR NOPM 2 20190128T074954 20190128T075819 C001 CS OFFL SIR NOPM 2 20190128T080036 20190128T082323 C001 CS OFFL SIR NOPM 2 20190128T085920 20190128T090230 C001 CS OFFL SIR NOPM 2 20190128T090253 20190128T092626 C001 CS_OFFL_SIR_NOPM_2_20190128T093141_20190128T093634_C001 CS OFFL SIR NOPM 2 20190128T093917 20190128T100525 C001 CS OFFL SIR NOPM 2 20190128T103808 20190128T104802 C001 CS_OFFL_SIR_NOPM_2_20190128T105340_20190128T110411_C001 CS OFFL SIR NOPM 2 20190128T111102 20190128T111700 C001 CS_OFFL_SIR_NOPM_2_20190128T111833_20190128T114712_C001 CS_OFFL_SIR_NOPM_2_20190128T115456_20190128T115653_C001 CS OFFL SIR NOPM 2 20190128T120951 20190128T124357 C001 CS OFFL SIR NOPM 2 20190128T125009 20190128T125531 C001 CS_OFFL_SIR_NOPM_2_20190128T125730_20190128T130128_C001 CS_OFFL_SIR_NOPM_2_20190128T133324_20190128T133536_C001 CS_OFFL_SIR_NOPM_2_20190128T134943_20190128T135812_C001 CS_OFFL_SIR_NOPM_2_20190128T140057_20190128T142314_C001 CS OFFL SIR NOPM 2 20190128T143018 20190128T143425 C001 CS OFFL SIR NOPM 2 20190128T143637 20190128T144931 C001 CS OFFL SIR NOPM 2 20190128T145119 20190128T145721 C001 CS OFFL SIR NOPM 2 20190128T152819 20190128T160158 C001 CS OFFL SIR NOPM 2 20190128T160408 20190128T160909 C001 CS_OFFL_SIR_NOPM_2_20190128T160930_20190128T161241_C001 CS_OFFL_SIR_NOPM_2_20190128T162010_20190128T165119_C001 CS_OFFL_SIR_NOPM_2_20190128T181406_20190128T182536_C001 CS OFFL SIR NOPM 2 20190128T185336 20190128T190352 C001 CS_OFFL_SIR_NOPM_2_20190128T190531_20190128T192002_C001 CS_OFFL_SIR_NOPM_2_20190128T192218_20190128T192718_C001 CS OFFL SIR NOPM_2_20190128T192743_20190128T192752_C001 CS_OFFL_SIR_NOPM_2_20190128T192758_20190128T192901_C001 CS_OFFL_SIR_NOPM_2_20190128T193556_20190128T193737_C001 CS OFFL SIR NOPM 2 20190128T193924 20190128T195024 C001 CS_OFFL_SIR_NOPM_2_20190128T195157_20190128T195743_C001 CS_OFFL_SIR_NOPM_2_20190128T203631_20190128T205932_C001 CS OFFL SIR NOPM 2 20190128T210255 20190128T210635 C001 CS OFFL SIR NOPM 2 20190128T210657 20190128T210959 C001 CS_OFFL_SIR_NOPM_2_20190128T211249_20190128T214139_C001 CS OFFL SIR NOPM 2 20190128T221258 20190128T223900 C001 CS_OFFL_SIR_NOPM_2_20190128T224037_20190128T224548_C001 CS OFFL SIR NOPM 2 20190128T225303 20190128T230353 C001 CS_OFFL_SIR_NOPM_2_20190128T230932_20190128T232624_C001 CS_OFFL_SIR_NOPN_2_20190128T011011_20190128T011136_C001 CS OFFL SIR NOPN 2 20190128T020851 20190128T020929 C001 CS_OFFL_SIR_NOPN_2_20190128T043035_20190128T043310_C001 CS_OFFL_SIR_NOPN_2_20190128T074802_20190128T074954_C001 CS OFFL SIR NOPN 2 20190128T142541 20190128T142901 C001 CS OFFL SIR NOPN 2 20190128T210651 20190128T210656 C001

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

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

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

Ice Backscatter Averaging Status

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

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

Ice 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

Ice Backscatter Averaging Status

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

Ice Backscatter Averaging Status

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

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

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

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 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The 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.

CS_OFFL_SIR_NOPR_2_20190128T044130_20190128T044142_C001

CS_OFFL_SIR_NOPR_2_20190128T053208_20190128T053215_C001

CS_OFFL_SIR_NOPR_2_20190128T160159_20190128T160214_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.

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.

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. 53

Number of products with errors: