



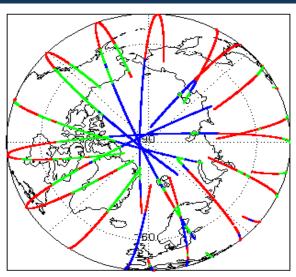
1. Overview

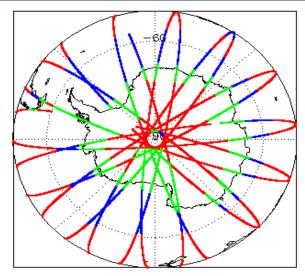
Report Production:	11-Sep-2018	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Near Real Time Ocean Products (NOI L1B & L2 Science Data	

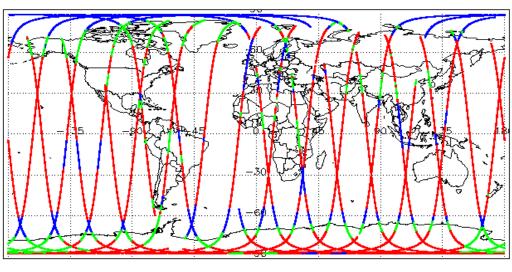
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	Nominal
Measurement Confidence Data Check	See Section 4.6
Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7
Ocean Retracking Quality Check	See Section 5.8

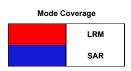
Mission / Instrument News		
09-Sep-2018	None	
10-Sep-2018	None	
11-Sep-2018	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

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:

0

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.

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:

Ω

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.

Number of products with errors:

18

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20180910T011420_20180910T013013_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20180910T023930_20180910T025054_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20180910T131949_20180910T133650_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180910T013417_20180910T013632_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180910T082026_20180910T082118_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180910T113532_20180910T113906_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180910T131425_20180910T131538_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180910T131719_20180910T131948_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180910T135208_20180910T135309_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180910T162844_20180910T162910_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180910T194336_20180910T194424_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180910T194642_20180910T194704_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180910T031458_20180910T032020_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180910T095954_20180910T100720_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180910T124605_20180910T124807_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180910T135109_20180910T135208_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180910T180733_20180910T181411_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180910T222411_20180910T222816_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:

0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

0

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:

0

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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180910T000446_20180910T001911_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T002454_20180910T004033_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T004316_20180910T004824_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T004843_20180910T004855_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T004901_20180910T005030_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T005809_20180910T010800_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T011419_20180910T013013_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T013301_20180910T013405_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T015310_20180910T020410_C001		records. The Ocean Range Averaging Status Flag has been set for one or more
	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T020550_20180910T021916_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T022235_20180910T022735_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T023611_20180910T023801_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T023930_20180910T025054_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T025138_20180910T025503_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T025506_20180910T025757_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_NOPM_2_20180910T030041_20180910T031055_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T033649_20180910T035728_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T040313_20180910T040651_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T040713_20180910T041017_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T041418_20180910T044154_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T050056_20180910T050338_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T051312_20180910T053722_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T054055_20180910T054605_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T054612_20180910T054939_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T055337_20180910T060408_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T060946_20180910T062643_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T071245_20180910T071634_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T072055_20180910T072638_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T072703_20180910T072840_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T073428_20180910T080620_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T081804_20180910T082026_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T083714_20180910T085451_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR NOPM 2 20180910T090021 20180910T090531 C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T091242_20180910T094758_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR NOPM 2 20180910T095730 20180910T095954 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR NOPM 2 20180910T101532 20180910T103429 C001	Ocean Range Averaging Status	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
CS_OFFL_SIR_NOPM_2_20180910T105211_20180910T112756_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T113948_20180910T115914_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T115949_20180910T121256_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T123120_20180910T124604_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T124807_20180910T125729_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T131949_20180910T133650_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T135309_20180910T135411_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T140313_20180910T140745_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180910T141052_20180910T142433_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_NOPM_2_20180910T145911_20180910T150143_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T150920_20180910T151017_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T151140_20180910T153429_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T153817_20180910T154643_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T155035_20180910T161456_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T164611_20180910T165729_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_NOPM_2_20180910T170302_20180910T171342_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T172029_20180910T172444_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T173003_20180910T175350_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T182058_20180910T183643_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T184212_20180910T185115_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T185940_20180910T190523_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T190905_20180910T191303_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T194425_20180910T194601_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T195841_20180910T203120_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T203844_20180910T204355_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T204937_20180910T210522_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T212334_20180910T212455_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T213530_20180910T220559_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T220610_20180910T221032_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T221850_20180910T222304_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180910T054605_20180910T054612_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180910T121910_20180910T121937_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180910T162844_20180910T162910_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180910T063841_20180910T063915_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180910T090836_20180910T091242_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180910T222411_20180910T222816_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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180910T000446_20180910T001911_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_20180910T002152_20180910T002451_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_20180910T002454_20180910T004033_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_20180910T004316_20180910T004824_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T004843_20180910T004855_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T004901_20180910T005030_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T005809_20180910T010800_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_20180910T011419_20180910T013013_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_20180910T013301_20180910T013405_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_20180910T015310_20180910T020410_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_20180910T020550_20180910T021916_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_20180910T022235_20180910T022735_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T023930_20180910T025054_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_20180910T025138_20180910T025503_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_20180910T025506_20180910T025757_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_20180910T030041_20180910T031055_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_20180910T033649_20180910T035728_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_20180910T040313_20180910T040651_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T040713_20180910T041017_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180910T041418_20180910T044154_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_20180910T050056_20180910T050338_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_20180910T051312_20180910T053722_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

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Comparison Com	CS_OFFL_SIR_NOPM_2_20180910T054055_20180910T054605_C001		
Section 1.	CS_OFFL_SIR_NOPM_2_20180910T055337_20180910T060408_C001		
Communication Communicatio	CS_OFFL_SIR_NOPM_2_20180910T060946_20180910T062643_C001		
Compared pattern Compared Status Compared St	CS_OFFL_SIR_NOPM_2_20180910T064938_20180910T065605_C001		
Computer Notice 2.00000000000000000000000000000000000	CS_OFFL_SIR_NOPM_2_20180910T071245_20180910T071634_C001	SWH Averaging Status, Ocean	
Co. GH-L Bill MCM-1, 2 20100010170702 20100010100000 CO1 CO FILE BILL MCM-1, 2 20100010100000 20100000 CO2 CO FILE BILL MCM-1, 2 20100010100000 CO2 CO FILE BILL MCM-1, 2 20100010110000 CO2 CO FI	CS_OFFL_SIR_NOPM_2_20180910T072055_20180910T072638_C001		The Ice Backscatter Averaging Status Flag has been set for one or more
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CB_CPTL_SR_NOME_2_DIRECTOROUS_2_STRESSOFTISES_COT CB_CPTL_SR_NOME_2_STRESSOFTISES_DIRECTOROUS_2_STRESSOFTISES_COT CB_CPTL_SR_NOME_2_STRESSOFTISES_DIRECTOROUS_2_STRESSOFTISES_COT CB_CPTL_SR_NOME_2_STRESSOFTISES_DIRECTOROUS_2_STRESSOFTISES_COT CB_CPTL_SR_NOME_2_STRESSOFTISES_DIRECTOROUS_2_STRESSOFTISES_COT CB_CPTL_SR_NOME_2_STRESSOFTISES_DIRECTOROUS_2_STRESSOFTISES_COT CB_CPTL_SR_NOME_2_STRESSOFTISES_DIRECTOROUS_2_STRESSOFTISES_COT CB_CPTL_SR_NOME_2_STRESSOFTISES_STRESSOFTISES_COT CB_CPTL_SR_NOME_2_STRESS		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
60_OFF_5R_NOM_2_198800170032_19800171032_000 60_OFF_5R_NOM_2_29880017032_19800171032_000 60_OFF_5R_NOM_2_298800171032_29800171032_000 60_OFF_5R_NOM_2_298800171032_29800171032_000 60_OFF_5R_NOM_2_298800171032_29800171032_000 60_OFF_5R_NOM_2_298800171032_298000171032_000 60_OFF_5R_NOM_2_298800171032_29			
South Fig. North 2_2016091710312_016091717356_001 South Fig. North 2_2016091711310_016091717356_001 South Fig. North 2_2016091711310_016091717356_001 South Fig. North 2_2016091711310_016091713356_001 South Fig. North 2_2016091713356_001 South Fig. North 2_2016091713366_001 South Fig. North 2_20160917			
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Responded Coloral Averaging Status Fine Plans been set for one or	CS_OFFL_SIR_NOPM_2_20180910T091242_20180910T094758_C001	Backscatter Averaging Status	more records.
Backwarder (veraging Status CROPEL SRIN NOPM2 2 20180910T11694 20180910T129129 C001 SOFT SRIN NOPM2 20180910T12914 20180910T129129 C001 SOFT SRIN NOPM2 20180910T12914 20180910T12914 C001 SOFT SRIN NOPM2 20180910T12913 20180910T12914 C001 SOFT SRIN NOPM2 20180910T12913 20180910T12914 C001 SOFT SRIN NOPM2 20180910T13194 20180910T12914 C001 SOFT SRIN NOPM2 20180910T13194 20180910T12914 C001 SOFT SRIN NOPM2 20180910T13194 C0180910T12914 C01809 C0180	CS_OFFL_SIR_NOPM_2_20180910T101532_20180910T103429_C001	Backscatter Averaging Status	more records.
Backscarter (vierging Status Course) Sec. GFEL, Silk, NDPM2_2.20180910712324_20180910712234_0.001 Sec. GFEL_Silk, NDPM2_2.20180910712325_20180910712324_0.001 Sec. GFEL_Silk, NDPM2_2.20180910712325_20180910712326_0.001 Sec. GFEL_Silk, NDPM2_2.20180910712360_0.001907123726_0.001 Sec. GFEL_Silk, NDPM2_2.20180910712360_0.001907123726_0.001 Sec. GFEL_Silk, NDPM2_2.20180910712360_0.001907123726_0.001 Sec. GFEL_Silk, NDPM2_2.20180910713396_0.001907123726_0.001 Sec. GFEL_Silk, NDPM2_2.20180910713496_0.001907123726_0.001 Sec. GFEL_Silk, NDPM2_2.20180910713496_0.001907123726_0.001 Sec. GFEL_Silk, NDPM2_2.20180910714496_0.001 Sec. GFEL_Silk, NDPM2_2.20180910714496_0.001 Sec. GFEL_Silk, NDPM2_2.201809107149102_0.00190715404_0.001 Sec. GFEL_Silk, NDPM2_2.201809107159102_0.00190715404_0.001 Sec. GFEL_Silk, NDPM2_2.201809107159102_0.00190715404_0.001 Sec. GFEL_Silk, NDPM2_2.201809107159102_0.00190715404_0.001 Sec. GFEL_Silk, NDPM2_2.201809107159104_0.0010 Sec. GFEL_Silk, NDPM2_2.20180910715904_0.0010 Sec. GFEL_Silk, NDPM2_2.20180910715904_0.0010 Sec. GFEL_Silk, NDPM2_2.20180910715004_0.0010110400400000000000000000000000	CS_OFFL_SIR_NOPM_2_20180910T105211_20180910T112756_C001	Backscatter Averaging Status	more records.
Secretary Americans (1997) A processor of the control of the processor of the control of the con	CS_OFFL_SIR_NOPM_2_20180910T113948_20180910T115914_C001	Backscatter Averaging Status	more records.
Section (1997) 2018/2017/1992 2018/2	CS_OFFL_SIR_NOPM_2_20180910T115949_20180910T121256_C001		
So. OFFL., SIR, NOPM 2, 201809107114094, 20180910713959, COOT So. OFFL, SIR, NOPM 2, 20180910714094, 201809107140745, COOT So. OFFL, SIR, NOPM 2, 20180910714092, 20180910714094, COOT So. OFFL, SIR, NOPM 2, 20180910714092, 20180910714094, COOT So. OFFL, SIR, NOPM 2, 20180910714093, 20180910714094, COOT So. OFFL, SIR, NOPM 2, 20180910714093, 20180910714094, COOT So. OFFL, SIR, NOPM 2, 20180910715092, 20180910715094, COOT So. OFFL, SIR, NOPM 2, 20180910715095, COOT So. OFFL, SIR, NOPM 2, 20180910717092, 20180910717542, COOT So. OFFL, SIR, NOPM 2, 20180910717092, 20180910717544, COOT So. OFFL, SIR, NOPM 2, 20180910717903, 20180910717935, COOT So. OFFL, SIR, NOPM 2, 20180910717903, 20180910717903, COOT So. OFFL, SIR, NOPM 2, 20180910717903, 2018091077903, COOT So. OFFL, SIR, NOPM 2, 20180910717903, 20180	CS_OFFL_SIR_NOPM_2_20180910T122514_20180910T122844_C001	Ice Backscatter Averaging Status	
SS_OFFL_SIR_NORM_2_2018910T13489_20189910T13585_CO01 SS_OFFL_SIR_NORM_2_20189910T140745_CO01 SS_OFFL_SIR_NORM_2_20189910T14591_CO01 SS_OFFL_SIR_NORM_2_20189910T14591_CO01 SS_OFFL_SIR_NORM_2_20189910T14591_CO01 SS_OFFL_SIR_NORM_2_20189910T14591_CO01 SS_OFFL_SIR_NORM_2_20189910T14591_CO01 SS_OFFL_SIR_NORM_2_20189910T14591_CO01 SS_OFFL_SIR_NORM_2_20189910T14591_CO01 SS_OFFL_SIR_NORM_2_20189910T14591_CO01 SS_OFFL_SIR_NORM_2_20189910T14591_CO01 SS_OFFL_SIR_NORM_2_20189910T14590_CO01 SS_OFFL_SIR_NORM_2_20189910T14590_CO01 SS_OFFL_SIR_NORM_2_20189910T17290_CO01901T15490_CO01 SS_OFFL_SIR_NORM_2_20189910T17290_CO01901T15390_CO01 SS_OFFL_SIR_NORM_2_20189910T17290_CO01901T15390_CO01 SS_OFFL_SIR_NORM_2_20189910T17290_CO01901T15390_CO01 SS_OFFL_SIR_NORM_2_20189910T17290_CO01901T15390_CO01 SS_OFFL_SIR_NORM_2_20189910T17290_CO01901T15390_CO01 SS_OFFL_SIR_NORM_2_20189910T17290_CO01901T15390_CO01 SS_OFFL_SIR_NORM_2_20189910T17290_CO01901T15390_CO01 SS_OFFL_SIR_NORM_2_20189910T17290_CO01901T15390_CO01 SS_OFFL_SIR_NORM_2_20189910T17290_CO01901T15390_CO01901T1	CS_OFFL_SIR_NOPM_2_20180910T123120_20180910T124604_C001		The SWH and Ocean Averaging Status Flags have been set for one or
SQ. OFFL, SIR NOPM 2, 201899107114303, 201890107140745, CO10 GQ. OFFL, SIR NOPM 2, 201899107144033, 201890107140745, CO10 GQ. OFFL, SIR NOPM 2, 201899107144033, 201890107140945, CO10 GQ. OFFL, SIR NOPM 2, 201899107144071, 201890107140945, CO10 GQ. OFFL, SIR NOPM 2, 201899107144091, 201890107150942, CO10 GQ. OFFL, SIR NOPM 2, 201899107145012, 201890107150945, CO10 GQ. OFFL, SIR NOPM 2, 20189910715093, 201890107150945, CO10 GQ. OFFL, SIR NOPM 2, 20189910715093, 201890107154045, CO10 GQ. OFFL, SIR NOPM 2, 20189910717093, 20189010715405, CO10 GQ. OFFL, SIR NOPM 2, 20189910717093, 20189010715405, CO10 GQ. OFFL, SIR NOPM 2, 20189910717093, 20189010717094, CO10 GQ. OFFL, SIR NOPM 2, 20189910717093, 20189010777936, CO10 GQ. OFFL, SIR NOPM 2, 20189910717093, 20189010777936, CO10 GQ. OFFL, SIR NOPM 2, 20189910717093, 20189910777936, CO10 GQ. OFFL, SIR NOPM 2, 20189910717934, CO10 GQ. OFFL, SIR NOPM 2, 20189910717935, 2018901077935, CO10 GQ. OFFL, SIR NOPM 2, 20189910717935, 2018901077936, CO10 GQ. OFFL, SIR NOPM 2, 20189910717934, CO109010719340, CO10 GQ. OFFL, SIR NOPM 2, 20189910717935, 2018901071935, CO10 GQ. OFFL, SIR NOPM 2, 20189910717935, CO10010719360, CO1001	CS_OFFL_SIR_NOPM_2_20180910T124807_20180910T125729_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180910T140313_20180910T140443_COU1 SWH Averaging Status. Ocean Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Swith Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Swith Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Swith Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Swith Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Averaging Status Plags have been set for one or more records. SWH Averaging Status. Ocean Averaging Status Plags hav	CS_OFFL_SIR_NOPM_2_20180910T131949_20180910T133650_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
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Sey OFFL_SIR_NOPM_2_20180910T146921_20180910T159143_CO01 Sey OFFL_SIR_NOPM_2_20180910T150920_20180910T159143_CO01 Sey OFFL_SIR_NOPM_2_20180910T150920_20180910T159142_CO01 Sey OFFL_SIR_NOPM_2_20180910T159317_20180910T159432_CO01 Sey OFFL_SIR_NOPM_2_20180910T159303_20180910T159432_CO01 Sey OFFL_SIR_NOPM_2_20180910T159303_20180910T159434_CO01 Sey OFFL_SIR_NOPM_2_20180910T179303_20180910T179344_CO01 Sey OFFL_SIR_NOPM_2_20180910T179303_20180910T179344_CO01 Sey OFFL_SIR_NOPM_2_20180910T189303_CO01 Sey OFFL_SIR_NOPM_2_20180910T189303_C001 Sey OFFL_SIR_NOPM_2_20180910T189303_C001 Sey OFFL_SIR_NOPM_2_20180910T189303_C001 Sey OFFL_SIR_NOPM_2_20180910T189303_C001 Sey OFFL_SIR_NOPM_2_20180910T189303_C0010T189303_C001 Sey OFFL_SIR_NOPM_2_20180910T189303_C0010T189303_C001 Sey OFFL_SIR_NOPM_2_20180910T189303_C0010T189303_C001 Sey OFFL_SIR_NOPM_2_20180910T189303_C0010T189303_C001 Sey OFFL_SIR_NOPM_2_20180910T189304_C0010T189303_C001 Sey OFFL_SIR_NOPM_2_20180910T18930		SWH Averaging Status, Ocean	
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Backscatter Averaging Status more records.		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
	_	DackScaller Averaging Status	iniore 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.

Number of products with errors:

64