



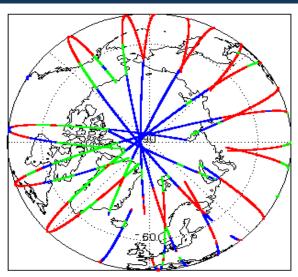
1. Overview

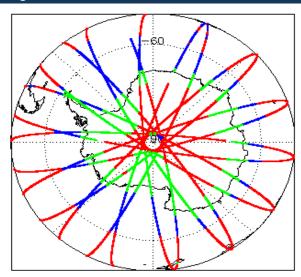
Report Production:	16-Jul-2018		
Processor Used:	CryoSat Ocean Processor		
Data Used:	Near Real Time Ocean Products (NC L1B & L2 Science Data		

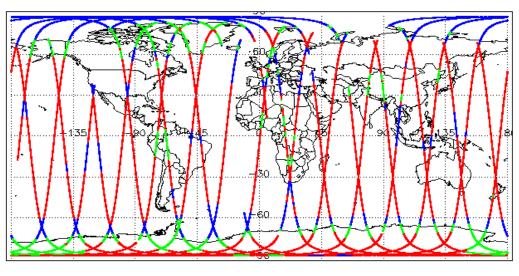
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	Nominal
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5
Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7
Ocean Retracking Quality Check	See Section 5.8

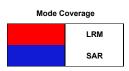
Mission / Instrument News		
12-Jul-2018	SIRAL unavailability on 12-Jul-2018 from 04:30:28 to 07:55:50 due to a planned orbit manoeuvre.	
13-Jul-2018	None	
14-Jul-2018	Nothing planned	

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:

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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:

3

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20180713T000814_20180713T000954_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20180713T045519_20180713T050755_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20180713T154024_20180713T155513_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

CryoSat L1B data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.

Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected.

Number of products with errors:

23

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20180713T045519_20180713T050755_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20180713T172215_20180713T173542_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20180713T210955_20180713T213732_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20180713T214357_20180713T214725_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180713T015732_20180713T015852_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180713T033156_20180713T033607_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180713T043532_20180713T043637_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180713T051231_20180713T051407_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180713T051411_20180713T051655_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180713T134130_20180713T134211_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180713T152009_20180713T152204_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180713T155555_20180713T160206_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180713T165013_20180713T165046_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180713T165924_20180713T170025_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20180713T183422_20180713T183919_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180713T051655_20180713T052407_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180713T061328_20180713T061549_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180713T102828_20180713T103015_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180713T141339_20180713T142038_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180713T162559_20180713T162738_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180713T164838_20180713T165013_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180713T213734_20180713T213932_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20180713T231413_20180713T231815_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:

3

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180713T000814_20180713T000954_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_NOPM_2_20180713T045519_20180713T050755_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_NOPM_2_20180713T154024_20180713T155513_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Range Measurement Check

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

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

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

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

Description The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T001546_20180713T001642_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T001651_20180713T001719_C001_ Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T002738_20180713T005757_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T005808 20180713T010252 C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T010905 20180713T011057 C001 Ice Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T011104_20180713T011518_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T020625_20180713T022417_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T022511 20180713T024206 C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T025015 20180713T025228 C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T030105 20180713T031331 C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T031459 20180713T033156 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T035330_20180713T040429_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T040631 20180713T042102 C001 Ocean Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T042359_20180713T042855_C001 Ice Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T042913_20180713T042924_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T043759_20180713T044147_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T045519_20180713T050755_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T054533_20180713T055959_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T060336_20180713T060823_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T061549 20180713T064125 C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T071445 20180713T073902 C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T074743 20180713T075108 C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T075437_20180713T080540_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T081113 20180713T082107 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T085116 20180713T091844 C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T092148_20180713T092636_C001 Ice Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T092641 20180713T093011 C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T093455_20180713T094457_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T094603_20180713T100809_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T102020 20180713T102335 C001 Ocean Range Averaging Status ecords The Ice Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T110139_20180713T110704_C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T111410_20180713T113511_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T113757 20180713T114924 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T115931_20180713T120257_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T121909_20180713T123557_C001 Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T124106 20180713T124602 C001 Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T125311_20180713T132535_C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status CS_OFFL_SIR_NOPM_2_20180713T134018_20180713T134028_C001 The Ocean Range Averaging Status Flag has been set for one or more CS OFFL SIR NOPM 2 20180713T134859 20180713T141339 C001 Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more CS_OFFL_SIR_NOPM_2_20180713T143257_20180713T144930_C001 Ocean Range Averaging Status

records

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CS_OFFL_SIR_NOPM_2_20180713T12231_20180713T174822_CO01 CS_OFFL_SIR_NOPM_2_20180713T173121_20180713T174822_CO01 CS_OFFL_SIR_NOPM_2_20180713T173124_20180713T174823_CO01 CS_OFFL_SIR_NOPM_2_20180713T17314_20180713T174823_CO01 CS_OFFL_SIR_NOPM_2_20180713T17314_20180713T181327_CO01 CS_OFFL_SIR_NOPM_2_20180713T17314_20180713T181327_CO01 CS_OFFL_SIR_NOPM_2_20180713T173142_20180713T191826_CO01 CS_OFFL_SIR_NOPM_2_20180713T1918204_CO180713T191826_CO01 CS_OFFL_SIR_NOPM_2_20180713T1918204_CO180713T191826_CO01 CS_OFFL_SIR_NOPM_2_20180713T1918204_CO180713T192056_CO01 CS_OFFL_SIR_NOPM_2_20180713T1918204_CO180713T192058_CO01 CS_OFFL_SIR_NOPM_2_20180713T192145_CO180713T192058_CO01 CS_OFFL_SIR_NOPM_2_20180713T192145_CO180713T192058_CO01 CS_OFFL_SIR_NOPM_2_20180713T192145_CO180713T192058_CO01 CS_OFFL_SIR_NOPM_2_20180713T192145_CO180713T192058_CO01 CS_OFFL_SIR_NOPM_2_20180713T192145_CO180713T192058_CO01 CS_OFFL_SIR_NOPM_2_20180713T192041_CO180713T192058_CO01 CS_OFFL_SIR_NOPM_2_20180713T192041_CO180713T192058_CO01 CS_OFFL_SIR_NOPM_2_20180713T192041_CO180713T192058_CO01 CS_OFFL_SIR_NOPM_2_20180713T192041_CO180713T192058_CO01 CS_OFFL_SIR_NOPM_2_20180713T192041_CO180713T192058_CO01 CS_OFFL_SIR_NOPM_2_20180713T200410_C0180713T192058_CO01 CS_OFFL_SIR_NOPM_2_20180713T200410_C0180713T200410_C0180713T190714_C001 CS_OFFL_SIR_NOPM_2_20180713T20058_C0180713T200540_C001 CS_OFFL_SIR_NOPM_2_20180713T200538_C0180713T200540_C001 CS_OFFL_SIR_NOPM_2_20180713T200538_C0180713T20	CS_OFFL_SIR_NOPM_2_20180713T161144_20180713T162559_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180713T1023120180713T13242C001 CS_OFFL_SIR_NOPM_2_20180713T173858_20180713T13842_C001 CS_OFFL_SIR_NOPM_2_20180713T173858_20180713T138432_C001 CS_OFFL_SIR_NOPM_2_20180713T1378542_C0101 CS_OFFL_SIR_NOPM_2_20180713T164924_20180713T19255_C001 CS_OFFL_SIR_NOPM_2_20180713T19455_20180713T19255_C001 CS_OFFL_SIR_NOPM_2_20180713T19455_20180713T19255_C001 CS_OFFL_SIR_NOPM_2_20180713T19245_20180713T19255_C001 CS_OFFL_SIR_NOPM_2_20180713T19245_20180713T19255_C001 CS_OFFL_SIR_NOPM_2_20180713T19245_20180713T19255_C001 CS_OFFL_SIR_NOPM_2_20180713T19245_C00180713T19255_C001 CS_OFFL_SIR_NOPM_2_20180713T19245_C00180713T19255_C001 CS_OFFL_SIR_NOPM_2_20180713T19245_C00180713T19255_C001 CS_OFFL_SIR_NOPM_2_20180713T19255_C001 CS_OFFL_SIR_NOPM_2_20180713T19255_C001 CS_OFFL_SIR_NOPM_2_20180713T19255_C001 CS_OFFL_SIR_NOPM_2_20180713T19255_C001 CS_OFFL_SIR_NOPM_2_20180713T19255_C001 CS_OFFL_SIR_NOPM_2_20180713T1925_C001 CS_OFFL_SIR_NOPM_2_20180713T1925_C001 CS_OFFL_SIR_NOPM_2_20180713T1925_C001 CS_OFFL_SIR_NOPM_2_20180713T1925_C001 CS_OFFL_SIR_NOPM_2_20180713T1925_C001 CS_OFFL_SIR_NOPM_2_20180713T195_C001 CS_OFFL_SIR_NOPM_2_20180713T195_C001 CS_OFFL_SIR_NOPM_2_20180713T195_C001 CS_OFFL_SIR_NOPM_2_20180713T1925_C001 CS_OFFL_SI	CS_OFFL_SIR_NOPM_2_20180713T162738_20180713T164813_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_201807131712938_201807131714823_C001 CS_OFFL_SIR_NOPM_2_20180713171541_201807131714823_C001 CS_OFFL_SIR_NOPM_2_2018071317184924_2018071317191356_C001 CS_OFFL_SIR_NOPM_2_201807131719141_201807131719256_C001 CS_OFFL_SIR_NOPM_2_201807131719145_201807131719256_C001 CS_OFFL_SIR_NOPM_2_201807131719145_201807131719256_C001 CS_OFFL_SIR_NOPM_2_2018071317192145_201807131719256_C001 CS_OFFL_SIR_NOPM_2_2018071317192145_201807131719256_C001 CS_OFFL_SIR_NOPM_2_2018071317192145_201807131719256_C001 CS_OFFL_SIR_NOPM_2_2018071317193131_201807131719256_C001 CS_OFFL_SIR_NOPM_2_201807131720311_2018071317203405_C001 CS_OFFL_SIR_NOPM_2_201807131720312_2018071317203405_C001 CS_OFFL_SIR_NOPM_2_201807131720312_201807131720340_C001 CS_OFFL_SIR_NOPM_2_20180713172056_C001 CS_OFFL_SIR_NOPM_2_20180713172056_C001 CS_OFFL_SIR_NOPM_2_201807131720540_C001 CS_OFFL_SIR_NOPM_2_201807131720540_C001 CS_OFFL_SIR_NOPM_2_20180713172056_C001 CS_OFFL_SIR_NOPM_2_201807131706638_201807131704353_C001	CS_OFFL_SIR_NOPM_2_20180713T170231_20180713T171522_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180713T175141_20180713T181327_C001 CS_OFFL_SIR_NOPM_2_20180713T175141_20180713T181327_C001 CS_OFFL_SIR_NOPM_2_20180713T175141_20180713T191526_C001 CS_OFFL_SIR_NOPM_2_20180713T191526_C001 CS_OFFL_SIR_NOPM_2_20180713T191526_C001 CS_OFFL_SIR_NOPM_2_20180713T191526_C001 CS_OFFL_SIR_NOPM_2_20180713T192056_C001 CS_OFFL_SIR_NOPM_2_20180713T192056_C001 CS_OFFL_SIR_NOPM_2_20180713T192056_C001 CS_OFFL_SIR_NOPM_2_20180713T192056_C001 CS_OFFL_SIR_NOPM_2_20180713T192056_C001 CS_OFFL_SIR_NOPM_2_20180713T20201_20180713T192532_C001 CS_OFFL_SIR_NOPM_2_20180713T20201_20180713T203006_C001 CS_OFFL_SIR_NOPM_2_20180713T20201_20180713T203006_C001 CS_OFFL_SIR_NOPM_2_20180713T20201_20180713T203006_C001 CS_OFFL_SIR_NOPM_2_20180713T20201_C001 CS_OFFL_SIR_NOPM_2_20180713T20201_C001 CS_OFFL_SIR_NOPM_2_20180713T202056_C001 CS_OFFL_SIR_NOPM_2_20180713T202056_C001 CS_OFFL_SIR_NOPM_2_20180713T202056_C0180713T20704_C001 CS_OFFL_SIR_NOPM_2_20180713T202056_C0180713T20704_C001 CS_OFFL_SIR_NOPM_2_20180713T202056_C0180713T20704_C001 CS_OFFL_SIR_NOPM_2_20180713T202056_C0180713T220201_C001 CS_OFFL_SIR_NOPM_2_20180713T202056_C0180713T220201_C001 CS_OFFL_SIR_NOPM_2_20180713T202056_C0180713T220201_C001 CS_OFFL_SIR_NOPM_2_20180713T20201_C0180713T220201_C001 CS_OFFL_SIR_NOPM_2_20180713T20201_C0180713T220201_C001 CS_OFFL_SIR_NOPM_2_20180713T20201_C0180713T220201_C001 CS_OFFL_SIR_NOPM_2_20180713T2020202_C0180713T202001_C001 CS_OFFL_SIR_NOPM_2_20180713T2020202_C0180713T202001_C001 CS_OFFL_SIR_NOPM_2_20180713T2000000000000000000000000000000000000	CS_OFFL_SIR_NOPM_2_20180713T172215_20180713T173542_C001	Ocean Range Averaging Status	
CS_OFF_SIR_NOPM_2_01807/13T194924_201807/13T194956_0001 CS_OFF_SIR_NOPM_2_01807/13T194924_201807/13T194958_0001 CS_OFF_SIR_NOPM_2_01807/13T194195_001807/13T192638_0001 CS_OFF_SIR_NOPM_2_01807/13T192145_01807/13T192638_0001 CS_OFF_SIR_NOPM_2_01807/13T192145_01807/13T192638_0001 CS_OFF_SIR_NOPM_2_01807/13T192131_01807/13T192638_0001 CS_OFF_SIR_NOPM_2_01807/13T192131_01807/13T192638_0001 CS_OFF_SIR_NOPM_2_01807/13T192131_01807/13T192638_0001 CS_OFF_SIR_NOPM_2_01807/13T20434_01807/13T203805_0001 CS_OFF_SIR_NOPM_2_01807/13T20434_01807/13T203805_0001 CS_OFF_SIR_NOPM_2_01807/13T20434_01807/13T205340_0001 CS_OFF_SIR_NOPM_2_01807/13T20434_01807/13T205340_0001 CS_OFF_SIR_NOPM_2_01807/13T20434_01807/13T23732_0001 CS_OFF_SIR_NOPM_2_01807/13T20431_01807/13T233241_0001 CS_OFF_SIR_NOPM_2_01807/13T20431_01807/13T233241_0001 CS_OFF_SIR_NOPM_2_01807/13T20431_01807/13T233241_0001 CS_OFF_SIR_NOPM_2_01807/13T20431_01807/13T233241_0001 CS_OFF_SIR_NOPM_2_01807/13T20431_01807/13T233241_0001 CS_OFF_SIR_NOPM_2_01807/13T20431_01807/13T233241_0001 CS_OFF_SIR_NOPM_2_01807/13T20431_01807/13T223435_0001 CS_OFF_SIR_NOPM_2_01807/13T20431_01807/13T223322 0001 CS_OFF_SIR_NOPM_2_01807/13T20431_01807/13T223322 0001 CS_OFF_SIR_NOPM_2_01807/13T22328_01807/13T223322 0001 CS_OFF_SIR_NOPM_2_01807/13T22328_01807/13T223328_0001 CS_OFF_SIR_NOPM_2_01807/13T22328_01807/13T223328_0001 CS_OFF_SIR_NOPM_2_01807/13T22328_01807/13T223328_0001 CS_OFF_SIR_NOPM_2_01807/13T23385_001807/13T23332_0001 CS_OFF_SIR_NOPM_2_01807/13T23385_001807/13T23332_0001 CS_OFF_SIR_NOPM_2_01807/13T23335_001807/13T23335_0001 CS_OFF_SIR_NOPM_2_01807/13T23335_001807/13T23332_0001 CS_OFF_SIR_NOPM_2_01807/13T23335_001807/13T23335_0001 CS_OFF_SIR_NOPM_2_01807/13T23335_001807/13T23335_0001 CS_OFF_SIR_NOPM_2_01807/13T23335_001807/13T23335_0001 CS_OFF_SIR_NOPM_2_01807/13T23335_001807/13T23335_0001 CS_OFF_SIR_NOPM_2_01807/13T23335_001807/13T23335_0001 CS_OFF_SIR_NOPM_2_01807/13T23335_001807/13T23335_0001 CS_OFF_SIR_NOPM_2_01807/13T23335_001807/13T23335_0001 C	CS_OFFL_SIR_NOPM_2_20180713T173958_20180713T174823_C001	Ice Range Averaging Status	
CS_OFF_SIR_NOPM_2_20180713T19859_20180713T192656_C001 CS_OFF_SIR_NOPM_2_20180713T19859_20180713T192656_C001 CS_OFF_SIR_NOPM_2_20180713T1921351_20180713T192638_C001 CS_OFF_SIR_NOPM_2_20180713T193131_20180713T192638_C001 CS_OFF_SIR_NOPM_2_20180713T193131_20180713T192638_C001 CS_OFF_SIR_NOPM_2_20180713T29811_20180713T203805_C001 CS_OFF_SIR_NOPM_2_20180713T204343_20180713T205340_C001 CS_OFF_SIR_NOPM_2_20180713T204343_20180713T205340_C001 CS_OFF_SIR_NOPM_2_20180713T210106_20180713T210704_C001 CS_OFF_SIR_NOPM_2_20180713T210955_20180713T210704_C001 CS_OFF_SIR_NOPM_2_20180713T219554_20180713T223710_C001 CS_OFF_SIR_NOPM_2_20180713T224013_20180713T223241_C001 CS_OFF_SIR_NOPM_2_20180713T224013_20180713T223241_C001 CS_OFF_SIR_NOPM_2_20180713T224013_20180713T225302_C001 CS_OFF_SIR_NOPM_2_20180713T224013_20180713T225302_C001 CS_OFF_SIR_NOPM_2_20180713T224013_20180713T225302_C001 CS_OFF_SIR_NOPM_2_20180713T2320180713T225302_C001 CS_OFF_SIR_NOPM_2_20180713T2320180713T225302_C001 CS_OFF_SIR_NOPM_2_20180713T2320180713T225302_C001 CS_OFF_SIR_NOPM_2_20180713T2320180713T225302_C001 CS_OFF_SIR_NOPM_2_20180713T232328_20180713T225302_C001 CS_OFF_SIR_NOPM_2_20180713T233588_20180713T232710_C001 CS_OFF_SIR_NOPM_2_20180713T233588_20180713T233510_C001 CS_OFF_SIR_NOPM_2_20180713T233588_20180713T234514_C001 CS_OFF_SIR_NOPM_2_20180713T233588_20180713T234514_C001 CS_OFF_SIR_NOPM_2_20180713T03332_20180713T043637_C001 CS_OFF_SIR_NOPM_2_20180713T043332_20180713T043637_C001 CS_OFF_SIR_NOPM_2_20180713T043332_20180713T04455_C001	CS_OFFL_SIR_NOPM_2_20180713T175141_20180713T181327_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180713T192145_20180713T192353_C001 CS_OFFL_SIR_NOPM_2_20180713T192141_20180713T203805_C001 CS_OFFL_SIR_NOPM_2_20180713T203811_20180713T203805_C001 CS_OFFL_SIR_NOPM_2_20180713T203811_20180713T203805_C001 CS_OFFL_SIR_NOPM_2_20180713T203813_20180713T203805_C001 CS_OFFL_SIR_NOPM_2_20180713T204343_20180713T203805_C001 CS_OFFL_SIR_NOPM_2_20180713T204343_20180713T203805_C001 CS_OFFL_SIR_NOPM_2_20180713T204343_20180713T203704_C001 CS_OFFL_SIR_NOPM_2_20180713T21006_20180713T210704_C001 CS_OFFL_SIR_NOPM_2_20180713T210955_20180713T213732_C001 CS_OFFL_SIR_NOPM_2_20180713T219554_20180713T223241_C001 CS_OFFL_SIR_NOPM_2_20180713T224013_20180713T223241_C001 CS_OFFL_SIR_NOPM_2_20180713T224013_20180713T223210_C001 CS_OFFL_SIR_NOPM_2_20180713T224013_20180713T223210_C001 CS_OFFL_SIR_NOPM_2_20180713T224013_20180713T22331_C001 CS_OFFL_SIR_NOPM_2_20180713T224013_20180713T22331_C001 CS_OFFL_SIR_NOPM_2_20180713T224013_20180713T22310_C001 CS_OFFL_SIR_NOPM_2_20180713T224013_20180713T22310_C001 CS_OFFL_SIR_NOPM_2_20180713T23210_C001 CS_OFFL_SIR_NOPM_2_20180713T23210_C001 CS_OFFL_SIR_NOPM_2_20180713T232328_20180713T232310_C001 CS_OFFL_SIR_NOPM_2_20180713T232328_20180713T232710_C001 CS_OFFL_SIR_NOPM_2_20180713T232328_20180713T233210_C001 CS_OFFL_SIR_NOPM_2_20180713T233858_20180713T233414_C001 CS_OFFL_SIR_NOPM_2_20180713T233858_20180713T234814_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_C0180713T043532_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_C0180713T043532_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043532_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_0180713T043532_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_0180713T043532_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_0180713T043532_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_0180713T043532_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_0180713T043532_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_0180713T043532_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_0180713T043532_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_0180713T043532_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_018071	CS_OFFL_SIR_NOPM_2_20180713T184924_20180713T191526_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180713T22413_20180713T225302_C001 Ocean Range Averaging Status Fecords. CS_OFFL_SIR_NOPM_2_20180713T20811_20180713T203805_C001 Ocean Range Averaging Status CS_OFFL_SIR_NOPM_2_20180713T204343_20180713T203805_C001 Ocean Range Averaging Status CS_OFFL_SIR_NOPM_2_20180713T204343_20180713T20540_C001 Ocean Range Averaging Status CS_OFFL_SIR_NOPM_2_20180713T204343_20180713T210704_C001 Ice Range Averaging Status CS_OFFL_SIR_NOPM_2_20180713T210106_20180713T213732_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more 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 o	CS_OFFL_SIR_NOPM_2_20180713T191859_20180713T192056_C001	Ice Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180713T203431_20180713T20305_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more 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 Fl	CS_OFFL_SIR_NOPM_2_20180713T192145_20180713T192638_C001	Ice Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180713T204343_20180713T205340_C001 CS_OFFL_SIR_NOPM_2_20180713T210106_20180713T210704_C001 CS_OFFL_SIR_NOPM_2_20180713T210106_20180713T210704_C001 CS_OFFL_SIR_NOPM_2_20180713T210955_20180713T213732_C001 CS_OFFL_SIR_NOPM_2_20180713T210955_20180713T213732_C001 CS_OFFL_SIR_NOPM_2_20180713T215954_20180713T223241_C001 CS_OFFL_SIR_NOPM_2_20180713T215954_20180713T223241_C001 CS_OFFL_SIR_NOPM_2_20180713T224013_20180713T223241_C001 CS_OFFL_SIR_NOPM_2_20180713T224013_20180713T22510_C001 CS_OFFL_SIR_NOPM_2_20180713T224012_20180713T22510_C001 CS_OFFL_SIR_NOPM_2_20180713T225210_20180713T225332_C001 CS_OFFL_SIR_NOPM_2_20180713T225210_20180713T225332_C001 CS_OFFL_SIR_NOPM_2_20180713T232328_20180713T23331_C001 CS_OFFL_SIR_NOPM_2_20180713T233385_20180713T23331_C001 CS_OFFL_SIR_NOPM_2_20180713T233358_20180713T234814_C001 CS_OFFL_SIR_NOPM_2_20180713T233358_20180713T234814_C001 CS_OFFL_SIR_NOPM_2_20180713T233558_20180713T034357_C001 CS_OFFL_SIR_NOPM_2_20180713T0343532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043537_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T0436845_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T0436357_C001 CS_OFFL_SIR_NOPM_2_20180713T047473_20180713T044550_C001 CS_OFFL_SIR_NOPM_2_20180713T04450_C001 CS_OFFL_SIR_NOPM_2_20180713T04450_C001 CS_OFFL_SIR_NOPM_2_20180713T04450_C001 CS_OFFL_SIR_NOPM_2_20180713T04450_C001 CS_OFFL_SIR_NOPM_2_20180713T04450_C001 CS_OFFL_SIR_NOPM_2_20180713T04450_C001 CS_OFFL_SIR_NOPM_2_20180713T04450_C001 CS_OFFL_SIR_NOPM_2_20180713T04450_C001 CS_OFFL_SIR_NOPM_2_20180713T04450_C001 CS_OFFL_SIR_NOPM_2_20180713T04450_	CS_OFFL_SIR_NOPM_2_20180713T193131_20180713T195527_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180713T210106_20180713T210704_C001 Ice Range Averaging Status The loe Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag	CS_OFFL_SIR_NOPM_2_20180713T202811_20180713T203805_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180713T210955_20180713T213732_C001 Ocean Range Averaging Status Fecords. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_NOPM_2_20180713T233858_20180713T234814_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Rang	CS_OFFL_SIR_NOPM_2_20180713T204343_20180713T205340_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180713T215954_20180713T23325_C001 CS_OFFL_SIR_NOPM_2_20180713T224013_20180713T224515_C001 CS_OFFL_SIR_NOPM_2_20180713T224013_20180713T224510_C001 CS_OFFL_SIR_NOPM_2_20180713T224912_20180713T225140_C001 CS_OFFL_SIR_NOPM_2_20180713T225210_20180713T225140_C001 CS_OFFL_SIR_NOPM_2_20180713T225210_20180713T22510_C001 CS_OFFL_SIR_NOPM_2_20180713T232328_20180713T232710_C001 CS_OFFL_SIR_NOPM_2_20180713T233858_20180713T232710_C001 CS_OFFL_SIR_NOPM_2_20180713T233858_20180713T234814_C001 CS_OFFL_SIR_NOPM_2_20180713T233858_20180713T034512 CS_OFFL_SIR_NOPM_2_20180713T0333858_20180713T034567_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043645_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043459_C001 CS_OFFL_SIR_NOPM_2_20180713T0431332_20180713T043459_C001 CS_OFFL_SIR_NOPM_2_20180713T044121_20180713T044257_C001 CS_OFFL_SIR_NOPR_2_20180713T031332_20180713T044257_C001 CS_OFFL_SIR_NOPR_2_20180713T031332_20180713T04455_C001 CS_OFFL_SIR_NOPR_2_20180713T031332_20180713T04455_C001 CS_OFFL_SIR_NOPR_2_20180713T031332_20180713T04455_C001 CS_OFFL_SIR_NOPR_2_20180713T03131345_20180713T034459_C001 CS_OFFL_SIR_NOPR_2_20180713T034412_20180713T034454_C001 COCAR Range Averaging Status 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 Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging Status Flag has been set for one or more records. The Cocan Range Averaging	CS_OFFL_SIR_NOPM_2_20180713T210106_20180713T210704_C001	Ice Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180713T224912_20180713T224535_C001 CS_OFFL_SIR_NOPM_2_20180713T224912_20180713T225140_C001 CS_OFFL_SIR_NOPM_2_20180713T224912_20180713T225332_C001 CS_OFFL_SIR_NOPM_2_20180713T225210_20180713T225332_C001 CS_OFFL_SIR_NOPM_2_20180713T232328_20180713T225332_C001 CS_OFFL_SIR_NOPM_2_20180713T232328_20180713T232510_C001 CS_OFFL_SIR_NOPM_2_20180713T2333858_20180713T232710_C001 CS_OFFL_SIR_NOPM_2_20180713T233358_20180713T234814_C001 CS_OFFL_SIR_NOPM_2_20180713T235100_20180713T234814_C001 CS_OFFL_SIR_NOPM_2_20180713T235100_20180714T001214_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T060838_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T060838_20180713T060845_C001 CS_OFFL_SIR_NOPM_2_20180713T074737_20180713T074743_C001 CS_OFFL_SIR_NOPM_2_20180713T031332_20180713T031459_C001 CS_OFFL_SIR_NOPR_2_20180713T031332_20180713T031459_C001 CS_OFFL_SIR_NOPR_2_20180713T031332_20180713T031459_C001 CS_OFFL_SIR_NOPR_2_20180713T03130404_20180713T034454_C001 CCS_OFFL_SIR_NOPR_2_20180713T03404257_C001 CCS_OFFL_SIR_NOPR_2_20180713T03404257_C001 CCS_OFFL_SIR_NOPR_2_20180713T03404257_C001 CCS_OFFL_SIR_NOPR_2_20180713T03404257_C001 CCS_OFFL_SIR_NOPR_2_20180713T03404220180713T03404257_C001 CCS_OFFL_SIR_NOPR_2_20180713T0340420180713T03404257_C001 CCCCAR Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Aver	CS_OFFL_SIR_NOPM_2_20180713T210955_20180713T213732_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180713T224912_20180713T225410_C001 CS_OFFL_SIR_NOPM_2_20180713T225210_20180713T225312_C001 CS_OFFL_SIR_NOPM_2_20180713T225210_20180713T225332_C001 CS_OFFL_SIR_NOPM_2_20180713T232328_20180713T232710_C001 CS_OFFL_SIR_NOPM_2_20180713T232328_20180713T232710_C001 CS_OFFL_SIR_NOPM_2_20180713T2333858_20180713T232710_C001 CS_OFFL_SIR_NOPM_2_20180713T2333858_20180713T234814_C001 CS_OFFL_SIR_NOPM_2_20180713T2333858_20180713T234814_C001 CS_OFFL_SIR_NOPM_2_20180713T235100_20180714T001214_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T060838_20180713T060845_C001 CS_OFFL_SIR_NOPM_2_20180713T060838_20180713T04743_C001 CS_OFFL_SIR_NOPM_2_20180713T031332_20180713T04743_C001 CS_OFFL_SIR_NOPM_2_20180713T031332_20180713T04743_C001 CS_OFFL_SIR_NOPM_2_20180713T031332_20180713T0436457_C001 CS_OFFL_SIR_NOPR_2_20180713T031332_20180713T031459_C001 CS_OFFL_SIR_NOPR_2_20180713T031332_20180713T031459_C001 CS_OFFL_SIR_NOPR_2_20180713T0313044257_C001 CS_OFFL_SIR_NOPR_2_20180713T0313044257_C001 CS_OFFL_SIR_NOPR_2_20180713T03404227_C001 CCS_OFFL_SIR_NOPR_2_20180713T0313044227_C001 CCS_OFFL_SIR_NOPR_2_20180713T03140420180713T034454_C001 CCS_OFFL_SIR_NOPR_2_20180713T03140420180713T034454_C001 CCS_OFFL_SIR_NOPR_2_20180713T03404220180713T034454_C001 CCS_OFFL_SIR_NOPR_2_20180713T03404220180713T039454_C001 CCS_OFFL_SIR_NOPR_2_20180713T03103404_20180713T039454_C001 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS_OFFL_SIR_NOPM_2_20180713T215954_20180713T223241_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180713T225312_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_NOPM_2_20180713T233288_20180713T234814_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_NOPM_2_20180713T233858_20180713T234814_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more 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. CS_OFFL_SIR_NOPN_2_20180713T043532_20180713T060845_C001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_NOPN_2_20180713T047473_20180713T074743_C001 Ice Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_NOPR_2_20180713T031332_20180713T031459_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Oc	CS_OFFL_SIR_NOPM_2_20180713T224013_20180713T224535_C001	Ice Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180713T232328_20180713T232710_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more 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_20180713T235100_20180714T001214_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The 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 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 Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more 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 Fla	CS_OFFL_SIR_NOPM_2_20180713T224912_20180713T225140_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180713T23328_20180713T234814_C001 CS_OFFL_SIR_NOPM_2_20180713T233858_20180713T234814_C001 CS_OFFL_SIR_NOPM_2_20180713T235100_20180714T001214_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPN_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPN_2_20180713T060838_20180713T060845_C001 CS_OFFL_SIR_NOPN_2_20180713T060838_20180713T060845_C001 CS_OFFL_SIR_NOPN_2_20180713T074737_20180713T074743_C001 CS_OFFL_SIR_NOPN_2_20180713T031332_20180713T074743_C001 CS_OFFL_SIR_NOPR_2_20180713T031332_20180713T031459_C001 CS_OFFL_SIR_NOPR_2_20180713T031332_20180713T084257_C001 CS_OFFL_SIR_NOPR_2_20180713T093404_20180713T093454_C001 CS_OFFL_SIR_NOPR_2_20180713T093404_20180713T093454_C001 CS_OFFL_SIR_NOPR_2_20180713T093404_20180713T093454_C001 CS_OFFL_SIR_NOPR_2_20180713T1093404_20180713T093454_C001 CCEAN Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more 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 Oc	CS_OFFL_SIR_NOPM_2_20180713T225210_20180713T225332_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPM_2_20180713T235100_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T043532_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T060838_20180713T043637_C001 CS_OFFL_SIR_NOPM_2_20180713T060838_20180713T060845_C001 CS_OFFL_SIR_NOPM_2_20180713T060838_20180713T060845_C001 CS_OFFL_SIR_NOPM_2_20180713T074737_20180713T074743_C001 CS_OFFL_SIR_NOPM_2_20180713T074737_20180713T074743_C001 CS_OFFL_SIR_NOPM_2_20180713T031332_20180713T031459_C001 CS_OFFL_SIR_NOPR_2_20180713T031332_20180713T031459_C001 CS_OFFL_SIR_NOPR_2_20180713T084121_20180713T084257_C001 CS_OFFL_SIR_NOPR_2_20180713T093404_20180713T093454_C001 CS_OFFL_SIR_NOPR_2_20180713T093404_20180713T093454_C001 CS_OFFL_SIR_NOPR_2_20180713T093404_20180713T093454_C001 CS_OFFL_SIR_NOPR_2_20180713T111016_20180713T111410_C001 CS_OFFL_SIR_NOPR_2_20180713T111016_20180713T111410_C001 COMMON TO SHARING AVERAGING Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more 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_20180713T232328_20180713T232710_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPN_2_20180713T043532_20180713T043637_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. The loe Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_NOPN_2_20180713T074737_20180713T074743_C001 Ice Range Averaging Status Ice Range Averaging Status The loe Range Averaging Status Flag has been set for one or more records. The loe 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_NOPR_2_20180713T031332_20180713T031459_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more 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.	CS_OFFL_SIR_NOPM_2_20180713T233858_20180713T234814_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPN_2_20180713T060838_20180713T060845_C001 Ice Range Averaging Status I	CS_OFFL_SIR_NOPM_2_20180713T235100_20180714T001214_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPN_2_20180713T09035_20180713T09045_C001	CS_OFFL_SIR_NOPN_2_20180713T043532_20180713T043637_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPR_2_20180713T031332_20180713T031459_C001 CS_OFFL_SIR_NOPR_2_20180713T031332_20180713T031459_C001 CS_OFFL_SIR_NOPR_2_20180713T084121_20180713T084257_C001 CS_OFFL_SIR_NOPR_2_20180713T093404_20180713T093454_C001 CS_OFFL_SIR_NOPR_2_20180713T093404_20180713T093454_C001 CS_OFFL_SIR_NOPR_2_20180713T093404_20180713T093454_C001 CS_OFFL_SIR_NOPR_2_20180713T111016_20180713T1111410_C001 CS_OFFL_SIR_NOPR_2_20180713T111016_20180713T1111410_C001 CS_OFFL_SIR_NOPR_2_20180713T111016_20180713T1111410_C001 CS_OFFL_SIR_NOPR_2_20180713T111016_20180713T1111410_C001 CS_OFFL_SIR_NOPR_2_20180713T1111016_20180713T1111410_C001 CS_OFFL_SIR_NOPR_2_20180713T111111016_20180713T1111410_C001 CS_OFFL_SIR_NOPR_2_20180713T1111016_20180713T1111410_C001 CS_OFFL_SIR_NOPR_2_20180713T1111016_20180713T1111410_C001 CS_OFFL_SIR_NOPR_2_20180713T11111111111111111111111111111111111	CS_OFFL_SIR_NOPN_2_20180713T060838_20180713T060845_C001	Ice Range Averaging Status	
CS_OFFL_SIR_NOPR_2_20180713T031332_20180713T0814257_C001 Ocean Range Averaging Status CS_OFFL_SIR_NOPR_2_20180713T093404_20180713T093454_C001 Ocean Range Averaging Status Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_NOPN_2_20180713T074737_20180713T074743_C001	Ice Range Averaging Status	
CS_OFFL_SIR_NOPR_2_20180713T093404_20180713T093454_C001 CS_OFFL_SIR_NOPR_2_20180713T093404_20180713T093454_C001 Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_NOPR_2_20180713T111016_20180713T1111410_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_NOPR_2_20180713T031332_20180713T031459_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_NOPR_2_201807131093404_201807131093454_C001	CS_OFFL_SIR_NOPR_2_20180713T084121_20180713T084257_C001	Ocean Range Averaging Status	
US OFFI SIR NOPR / 20180/131111016 20180/131111410 CD01 Ocean Range Averaging Status	CS_OFFL_SIR_NOPR_2_20180713T093404_20180713T093454_C001	Ocean Range Averaging Status	
	CS_OFFL_SIR_NOPR_2_20180713T111016_20180713T111410_C001	Ocean Range Averaging Status	

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_20180713T001546_20180713T001642_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_20180713T001651_20180713T001719_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_20180713T002738_20180713T005757_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_20180713T005808_20180713T010252_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_20180713T011104_20180713T011518_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180713T020625_20180713T022417_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_20180713T022511_20180713T024206_C001		The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180713T030105_20180713T031331_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_20180713T031459_20180713T033156_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_20180713T035330_20180713T040429_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_20180713T040631_20180713T042102_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_20180713T042359_20180713T042855_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180713T042913_20180713T042924_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180713T043759_20180713T044147_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_20180713T045519_20180713T050755_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS OFFL SIR NOPM 2 20180713T054533 20180713T055959 C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS OFFL SIR NOPM 2 20180713T060336 20180713T060823 C001	Backscatter Averaging Status Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180713T060829_20180713T060838_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180713T061549_20180713T064125_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180713T071445_20180713T073902_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180713T074330_20180713T074722_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180713T074743_20180713T075108_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_NOPM_2_20180713T075437_20180713T080540_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_20180713T081113_20180713T082107_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_20180713T085116_20180713T091844_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_20180713T092148_20180713T092636_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180713T092641_20180713T093011_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180713T093455_20180713T094457_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_20180713T094603_20180713T100809_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_20180713T102020_20180713T102335_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180713T110139_20180713T110704_C001	Backscatter Averaging Status Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180713T111410_20180713T113511_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180713T113757_20180713T114924_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180713T115931_20180713T120257_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180713T121909_20180713T123557_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180713T124106_20180713T124602_C001	Ice Backscatter Averaging Status	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180713T125311_20180713T132535_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	more records.
CS_OFFL_SIR_NOPM_2_20180713T134018_20180713T134028_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_20180713T134859_20180713T141339_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_20180713T143257_20180713T144930_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_20180713T145412_20180713T150210_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_20180713T151712_20180713T152009_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180713T152205_20180713T153810_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_20180713T154024_20180713T155513_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_20180713T160206_20180713T160419_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180713T160503_20180713T160920_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180713T161144_20180713T162559_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180713T162738_20180713T164813_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180713T170231_20180713T171522_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180713T172215_20180713T173542_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_NOPM_2_20180713T173958_20180713T174823_C001	Ice Backscatter Averaging Status SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180713T175141_20180713T181327_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_NOPM_2_20180713T184924_20180713T191526_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_NOPM_2_20180713T191859_20180713T192056_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180713T192145_20180713T192638_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180713T193131_20180713T195527_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_20180713T202811_20180713T203805_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_20180713T204343_20180713T205340_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_20180713T210106_20180713T210704_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180713T210955_20180713T213732_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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CS_OFFL_SIR_NOPM_2_20180713T214357_20180713T214725_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_20180713T215954_20180713T223241_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_20180713T224013_20180713T224535_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180713T224912_20180713T225140_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_20180713T225210_20180713T225332_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_20180713T232328_20180713T232710_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_20180713T233858_20180713T234814_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_20180713T235100_20180714T001214_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_20180713T043532_20180713T043637_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_20180713T060838_20180713T060845_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180713T074737_20180713T074743_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180713T031332_20180713T031459_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_20180713T084121_20180713T084257_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_20180713T093404_20180713T093454_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_20180713T111016_20180713T111410_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.

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: